TECHNOLOGIA Sweaters - swim suits - infantswear - knit fabrics - pole shirts - gloves - headwear

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Vol. 28

MONDAY, MAY 2, 1960

No. 18

42nd Annual NKOA Convention, Banquet On Thursday

FTC Chairman To Address Luncheon; Three Technical Sessions Slated

THE CHAIRMAN of the Federal Trade Commission, Earl W. Kintner, will deliver a major talk on discriminatory advertising allowances and other similar concessions at the luncheon session of the 42nd annual convention of the National Knitted Outerwear Association next Thursday at the Waldorf-Astoria Hotel, it was

announced by Sidney S. Korzenik, NKOA executive director

and counsel.

The luncheon will be preceded in the morning by a seminar on quality control followed by a session on synthetic fiber developments. Following the luncheon in the afternoon a session on knitted fabric trends will take place.

Tickets for the luncheon, which will be held in the Jade Room, are priced at \$6.50.

In announcing the speaker and subject of the luncheon meeting, Mr. Korzenik said that "in view of the special timeliness and importance of the subject matter, and the fact that the problem of cooperative advertising affects all branches of the ready-to-wear market," a number of apparel associations have been invited to serve as cosponsors of the meeting.

Among the associations under whose joint auspices the luncheon will be held are: The Associated Corset and Brassiere Association, Boys' Apparel & Accessories Manufacturers Association, the Hat Institute, the Industrial Council of Cloak, Suit & Skirt Manufacturers, the Infants' & Children's Coat Association, Infants' & Juvenile Manufacturers Association, the Merchants Ladies' Garment Association, National Association

of House & Daytime Dress Manufacturers, the National Dress Manufacturers Association, the United Infants' & Children's Wear Association and the National Skirt & Sportswear Association

"The subject of discriminatory advertising allowances in the form of contributions to store catalogs and otherwise has recently provoked heated discussion in manufacturing groups and retail merchandising circles," Mr. Korzenik explained. 'Although it is recognized that the practice has existed throughout the garment market for years, these impositions have recently provoked widespread resentment by manufacturing interests. Group after group of garment producers has publicly denounced the practice as unlawful under the Robinson-Patman Act and unfair. Recipients of such favors among retailers have, in turn, sought to justify them in terms of apparel market economics, though legal justification is regarded by manufacturers as wholly lacking.

"With this subject now come to a boil, the message expected from Chairman Kintner is widely viewed as marking an event of signal importance to all industries affected and to the ready-to-wear market in general. The sponsoring associations have extended invitations to manufacturers and retailers."

The convention will officially get under way on Wednesday morning with the annual meeting of the national board of directors, at which Mr. Korzenik will present his annual report on the state of the industry and reports on research and other projects including the Knitted Outerwear Foundation will be presented. James F. Nields, Ware Knitters, Inc., Ware, Mass., president of the national association, will preside over the board meeting. Mr. Nields will also open the technical sessions and preside over the luncheon.

The morning session on Thursday, which will start at 9:30 A. M. in the Basildon Room, will hear reports from two management consultants who have been engaged by the association on quality control projects. Bertrand Frank, Bertrand Frank Associates, will discuss quality control in the sewing, cutting and general fabrication of sweaters, while T. A. Podbereski, a management consultant specializing in the problems of the knitwear industry, will outline quality control procedures for knitting yarns and the knitting of fabrics and sweater-strips.

The fibers and yarns sessions which will follow immediately after the talks on quality control will detail latest developments in synthetic fibers applicable to sweaters and other knitted outerwear products. Speakers at this session will include: George

(Continued on Page 61)

Senator Proxmire Dinner Speaker

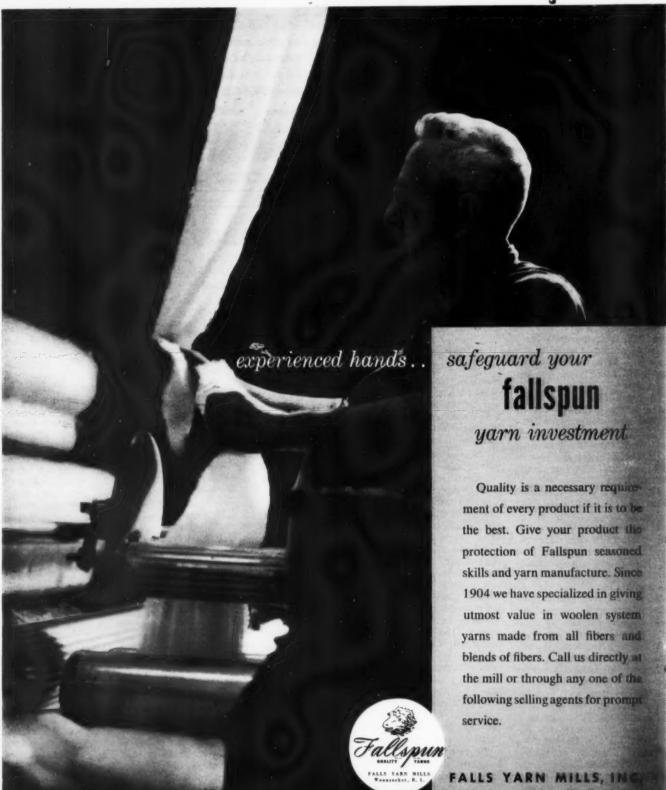
Over 1,600 members of the industry and representatives of allied supply firms will attend the 42nd annual banquet of the National Knitted Outerwear Association next Thursday evening in the grand ballroom of the Waldorf - Astoria Hotel. The dinner will climax meetings throughout the day on quality control, fiber and yarn developments, advertising allowances, and knitted fabric trends.

The turnout at the dinner, according to Edward A. Brandwein, NKOA administrative secretary and secretary of the banquet arrangements committee, will be the second largest in the history of this annual event. "In order to accommodate the near-record number of reservations from members of the industry and suppliers in all parts of the country," he stated, we have been forced for the second time in the history of the banquet to open up the third tier. Although in the past we have been reluctant to do so, the step was necessary this year so that we could accommodate all in the industry who want to attend the affair.

Senator William Proxmire, prominent Democrat, will be the guest speaker at the banquet. One of the youngest members of the Senate, the Wisconsin Democrat at 44 is already a nation-wide political figure. He was elected to the Senate in 1957 to fill the seat left vacant by the death of Joseph R. Mc-

(Continued on Page 63)

SPECIAL ISSUE: Mill Modernization Review



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Mill Modernization

Plant Improvement Budgets Increased

By CHARLES REICHMAN, Editor

EXPENDITURES for mill modernization loom big in the capital equipment budgets of knitting mills producing sweaters and knitted yardgoods. Although precise figures on how much will be spent during the next year in sprucing up knitting plants and making them more efficient are hard to come by, estimates by competent

trade observers are that it will be in excess of the record sums shelled out in the past two years. One authoritative source had previously placed the industry's expenditures for plant and equipment in 1958-59 at nearly \$10,000,000.

The increase in the knitting mills' budgets for capital improvements is in accordance with an overall industrial trend. According to a joint survey by the U.S. Department of Commerce and the Securities Exchange Commission, business spending for plant and equipment this year will be up 14 percent from the figure of the previous year and will represent an all-time high. The last record year was 1957 when, according to the Government survey, \$36,-900,000,000 was spent by all industry for expansion and improvements in plant sites and machinery.

More for Machinery

A breakdown of the modernization budgets of a random sampling of sweater and yardgoods knitters discloses that the bulk of the money earmarked by mills for modernization will be expended on new knitting machinery. This is in line with a pronounced movement toward equipment diversification. However, the expenditures for knitting machinery probably will represent a smaller proportion of this year's total capital disbursements than last year.

Up to the present most sweater mill managements have always looked upon the knitting room as the key sector of the mill and, as a result, improvements have always tended to focus on this area. Now, with the increased style diversity in knitwear and the need for reducing the production cycle more compelling, it has been found that considerably more attention must be paid to improving the post-knitting operations.

It is largely for this reason that sweater mills in making up their capital budgets have been allocating progressively larger sums for improvements in sewing equipment and layout and installation of materials handling systems in the fabricating departments and in pressing, packaging and storage and shipping departments. Just how weater and yardgoods knitters are proceeding in their modernization programs in these and other areas of their plants is spelled out below:

Knitting Room Layout

Proper layout in the knitting room is, of course, basic to the efficient and economical functioning of a knitting mill whether it produces sweaters or knitted yardgoods for sale to cutters. Until recently, however, most mill managements have been reluctant to revise the manner in which the knitting equipment in their mills is arranged because of the high cost involved in such a realignment. Now, however, they have come to a belated recognition that cost and inconvenience should not be the overriding considerations and that the merits of the change should be considered almost solely in terms of such eventual savings that could accrue from the improved layout

• Lower manufacturing costs.

Elimination of production bottlenecks.

 Reduction of the time spent between the receipt of an order and its execution.

 Ability to make deliveries on schedule or as promised.

The specific way in which knitting machines are laid out in knitting mills varies almost with the number of knitting mills in operation. Basically, however, most knitting mill layout schemes can be found to break down into these three overall plans:

 An arrangement whereby the machines are positioned in the form of an L.

2. A layout in which the machines are set up around the perimeter of the plant, the perimeter usually being confined to a section rather than extending over the entire area of the mill.

 A layout of machinery in the form of a rectangle. In this arrangement the machines are set up in equal rows, one behind

the other.

Whatever the basic layout plan a mill may select for setting up the equipment in its knitting room, mill superintendents recognize the importance of placing machines of the same type together. Thus, in the case of a sweater-strip mill all interlock garment - producing machines would be bunched in one section of the room and other types of machines like transfer jacquard and jersey units would be similarly grouped. Grouping machines of a particular type not only facilitates supervision and expedites production orders for the individual machines but also simplifies planned maintenance.

Rectangular Layout

Of the three basic layouts in use in most sweater and yardgoods mills, the overwhelming preference appears to be for the rectangular scheme. However, production executives in knitting mills must recognize that a particular layout is basically governed by the physical set-up of the plant itself and that its value and effectiveness is dependent chiefly upon such considerations as:

· Amount of space available.

Number of windows in the plant.

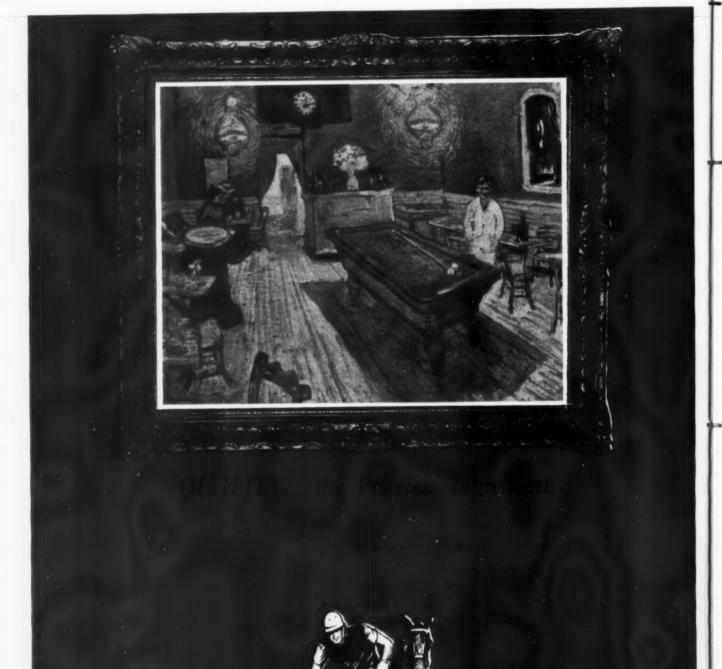
 The number and types of machines in place or to be installed.

• The need for accessibility to the equipment for maintenance and repair.

• Degree of supervision that must be exercised for quality control and other purposes.

 Importance of proximity to the yarn storage and goods-inprocess work areas.

• Relationship of the knit-(Continued on Page 5)



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ting room layout to the overall work flow of the plant.

The importance of work flow cannot be emphasized too strongly in planning a layout. To achieve efficient and profitable operation the work flow should proceed uninterruptedly in the knitting room as well as in other departments of the plant on a straight line basis.

In arranging the layout of knitting equipment, mills are finding too that greater attention must also be given to the amount of aisle space that is provided in the department itself as well as between machines. In the past most mills tended to ignore this phase of the layout problem with some disturbing results.

No Clear Rule

There is no definite agreement in the trade as to the minimum aisle space that should be provided between rows of machines. In some mills the space allotted between machines may be considered by some to be too generous; in other mills it may be regarded as meager. Actually, there is no hard and fast rule on optimum space for aisles between machines. However, in well-run plants the aisle space provided is wide enough to ease rather than impede normal plant traffic of individuals and work trucks.

Layout of Fabricating Departments

Much the same principles that apply to the layout of the knitting room are applicable to



In rearranging the layout of knitwear sewing rooms, individual work stations set up in classroom fashion are favored. Sewing machine operators have work bins to right and left.

the arrangement of the sewing and looping departments. As in the knitting room, sewing and looping machinery should be laid out in such a fashion that the work flows effortlessly without backtracking of goods across the floor and in natural sequence from one operation to the next.

Layout schemes in sewing rooms are generally based on one of the basic sewing systems—the unit or garment assembly procedures. Each of these basic garment fabricating methods has its strong and weak points. Whatever the system adopted, however, production executives

are aware that the layout of equipment should be in accordance with the normal stream of work from the initial assembly operation to the final finishing step.

The ideal layout of a sewing room in a sweater plant is one where there are no impediments to smooth efficient production, where the work flow is unencumbered by bottlenecks and where workers operate in uncramped quarters, preferably at individual tables set up in straight line formation with the widest possible aisle space between the rows of machines.

Increasingly mills in revising

their sewing room layouts tend to favor the setting up of operators at the individual work stations in classroom fashion with ample room around each area for receiving and dispatch of work bundles, for work trucks and for the normal movements required of the operator. In many plants provision is made for separating the fabricating operations for pullovers and cardigans. This tends to ease the flow of these items through the sewing room and aids in supervision.

In giving thought to streamlining their sewing rooms, some of the larger mills are also giving consideration to the installation of automatic conveyor systems. There are a number of such systems on the market which are adaptable to the assembly operations in a sweater and knitted dress plant.

Some management consultants look with disfavor on some of these systems, claiming them to be too constrictive. However, there is no question that conveyors in sewing rooms possess a number of distinct advantages.

Materials Handling

Knitted outerwear manufacturers are first beginning to become aware of the potentialities offered by various materials handling systems. These systems are adaptable to all departments of a knitting mill. They can be employed in the knitting room, the sewing area, pressing department, as well as in the stor-

(Continued on Page 7)



The wide aisles in this layout of full-fashioned sweater machines provide ready access to machinery. Note placement of toppers and storage bins for filled topping-on bars.



Ample aisles between rows of circular yardgoods machines is a luxury which this mill has found pays off in the form of unhindered movement of mill personnel and hand trucks.



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age area and shipping department. Mostly, however, mills have favored installation of these systems in sewing rooms, pressing departments and in such final operations as packaging and shipping.

There is no question that a mechanical materials handling system can promote smooth work flow from department to department in the knitting plant. Such a system also can effectively reduce the material flow time in the plant. Another and equally important advantage is that the operating efficiency in the plant itself is greatly enhanced when goods are made more quickly and readily accessible in the department.

In considering a materials handling system for their plants knitting mill executives have a choice of many different systems, applicable either on a plant-wide or sectional basis. A materials handling system, for example, may encompass the complete work flow of the plant, starting with the receipt of the raw material and ending with the packaging and shipment of the goods or it may cover just one or a limited number of operations.

Few knitted outerwear mills need an elaborate, plant-wide materials handling set-up. In most mills a mechanical method of materials handling is more likely to be installed in a particular area of the plant to meet a special production problem such as overcoming a bottleneck, speeding up an operation, and/or reducing dependence on



Example of an automatic or mobile type of floor-to-floor conveyor system. This system has a two-way flow, upwards or downwards, as the nature of the production flow may require.

manual labor.

It is for these reasons chiefly that the materials handling systems installed in most mills in the last couple of years are most commonly employed for one or all of the following three purposes:

1. To control the flow of goods from one floor to another in a multi-story knitting plant.

2. To convey goods speedily and without interruption from one sewing operation to another.

3. To speed up the packaging and shipping operation.

In setting up a materials handling system to control flow of goods from one floor to another in a plant located on two or more floors in a loft building, mills may use either a stationary or mobile system. The former invariably consists of a chute between floors. The chute may

be either a metal cylindrical duct or a simple wood or metal slide. These chutes are generally located on each floor at the end of a production line. Upon the completion of the last operation on the floor above, the goods are bundled and slid down the chute to the floor below. A collecting station is set up at the base of the chute to schedule the goods to the different operations on the lower floor.

Mobile forms of floor-to-floor conveyors are, of course, more elaborate. In one mill the floor conveyor operates on an automatic cable system. The movement of the conveyors is upward or downward as required and on each floor the conveyors can be positioned by a rotary to travel the length of the floor.

Automatic materials handling systems are also adapt able to knitwear pressing rooms. One mill in Cleveland recently installed a series of individual conveyors next to its bank of pressing machines to speed movement of pressed goods out of the department and into the examining and folding section. Not only has this system appreciably speeded up the entire pressing operation but it has eliminated a serious bottleneck in this department as well as in the adjacent examining and folding room.

Conveyor systems employed in packaging and stock rooms of knitting mills usually are in the form of an endless belt. Sometimes, however, they may be in the form of gravity type slides or rollers. Somewhat unusual is the basket type conveyor which was recently installed by a prominent Philadelphia mill.

Improved Lighting

In developing their mill modernization plans knitting mill executives are also devoting attention to improved methods of lighting-both plant-wide as well as at individual work stations. The relationship of adequate lighting to quality work and reduction of employee fatigue is now being more widely recognized in the industry. Daylight type fluorescent lighting is replacing the incandescent fixtures and many mills are supplementing overhead illumination with point-of-contact lighting, especially in operations where close work is required such as seaming and looping.



A cylindrical chute such as in wide use in mills operating in multi-storied loft buildings.



Intricate conveyor system for moving cartons and cases in the shipping room of a large mid-western knitwear distributor.

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Mill Modernization

Efficient Methods, Equipment Basic Herbert Mills Tools

MARION, S. C.—A self-contained production operation with close attention to quality control today is providing buyers with confidence in quality, order scheduling and style selections of knitted products from Herbert Mills, Inc., here. There is ample evidence of this stamp of approval on the part of buyers, according to Cary

C. Boshamer, Herbert Mills president. Sales for this men's and boys' sweater and knitted shirt operation have increased each year at the rate of 25 to 50 per cent, he said. Shipments for 1959 jumped more than a million over 1958.

Founded in August, 1953, Herbert is today one of the largest knitting mill operations in the country, producing approximately 2,500 dozen garments weekly. Approximately 500 employees handle peak production in a 71,000 square foot building, of which 43,000 feet was added in 1958.

The only phase of the work not done at Herbert Mills is combing, spinning and dyeing of the yarn. All types of fibers are used in making the sweaters and knitted shirts. Nothing, either garments or styles, is purchased from the outside, Mr. Boshamer stressed.

Equipment Line-Up

In the original building of the mill, yarn is delivered near an area which contains thirteen different varieties of knitting machines. Mill superintendent L. A. Croft, who is also secre-

tary of the corporation, counted on the floor 30 Jacquard T. A.'s, four Ordnance Gauge units, seven Queens flats, six Brinton interlocks, five Anslies, 44 Wildman ribbers, six circular links, 15 border machines, 15 cuff machines and six braid machines.

Work then flows from knitting the length of the building to the washing operation, which is on what was once the rear loading platform of the warehouse that now houses the mill. Before going into the wash room each bundle of knitted material is carefully weighed as a control check on tightness or looseness of knitted material. Present plans call for the installation of a new \$15,000 washing and extracting operation.

Before bundling and transportation into the sewing room, each section of the garment is carefully inspected by hand for flaws. Chandler Bryan, time-motion engineer, says it has been the policy of the mill to follow this procedure rather than attempt to detect defects at the sewing machines, where work flow can be critical

During the past three years,



The slitting operation for the entire mill is handled on two machines.

Herbert Mills has installed \$300,000 to \$400,000 in new equipment. A portion of this has been in sewing machines, which occupy most of the new section of the mill. At the present time, there are about 250 machines on the floor, and another 100 are in storage, ready for quick use. Eight or more different brand names are represented by the machines.

Martin Mosher, quality control department supervisor, is constantly on the floor of the sewing department for on-thespot checks of production quality and delays which could inhibit work flow.

A critical inspection point comes after sewing. Here each garment is stretched onto inspection frames and examined against fluorescent lighting inside the frames. These frames, which were invented and first put into use at Herbert Mills, permit very close examination

(Continued on Page 11)



Approximately 250 sewing machines are currently on the floor at Herbert Mills with 100 in storage. Sewing, pressing and shipping operations are done in this 43,000 square foot section which was added in 1958.



Following sewing, each garment is examined on metal frames (at right) which have a light inside. Following inspection, the garments are placed on the conveyor which takes them to the pressing room.

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Shirt folding machine for use with cotton knitted shirts. The metal collar holder permits steam pressing of collars for greater permanency.

of the sleeves and trim seams, as well as further inspection of the knitted material itself.

In the production of knitted shirts, which accounts for 1,500 to 1,600 dozen garments per week, Herbert employs a collar shirt folding machine. One variety used exclusively for cottons has a built-in metal frame to which steam can be applied in order to fully set the collar. There are a total of eight of these folding machines.

After the garment is inspected on the lighted frame, it is placed on a conveyor belt which takes it to the pressing room. Here twenty pressing machines are in use. Last year an automatic pressing frame was installed on machines which press pullover sweaters and shirts. These give the pullovers uniformity of size and shape. The frame rises and falls with the raising and lowering of the presser. There are 10 hand-ironing operations here.

The completeness of the operation at Herbert Mills, however, is not confined to the simple production of the knitted garments. Perhaps the most important department is that of styling and merchandising. According to Herbert Levy, "One reason for our success is that we have taken the initiative in styling. We have helped make style trends rather than follow them."

This operation is the specific duty of Herbert Levy, treasurer, in connection with the sales

(Continued on Page 67)



This automatic metal pressing frame is used for all pullover sweaters and shirts. This type frame has been in use at Herbert Mills for about a year.

Mill Modernization

West Coast Mill Operating From Large Modern Plant

REDWOOD CITY, Calif.—With a brand new factory, Redwood City Knitting Mills is finding it easy and profitable to continue its policy of careful planning to aid production efficiency. Speed-up in the new plant, which is located at 150 Charter St., is being accomplished by two main methods. One marks an improvement

in pressing equipment through the use of an air vacuum system that is at least 40 per cent faster than the previously used steamwith-natural-air-drying.

In addition, the firm recently acquired five new machines—two three-needle rack Leighton models; two Lamb border machines, and one Stoll V-bed flat, Model KAMO/J.

Logical Flow

An increase in space by some 75 percent has made it possible to enlarge the rest of the system as well as to perfect the production layout to provide the most logical and efficient flow from one operation to another.

The mill manufactures women's sweaters in sizes 36 to 46 and 48 to 54, and sells its designs under the "Rosa Lee Originals of California" label. Principals of the firm are Herman Reber, who is president; his wife, Sophie, secretary-treasurer; and his son, Joseph, general manager. Carl Harding is head knitter, and R. Whitney Corwin, sales manager. Joseph Reber was responsible for the planning of the layout in the new factory.

A back door at the ground level facilitates receiving and shipping, with ample parking space available right in front of the door. The yarn is checked in in this area and stored in bins until needed. These bins are immediately adjacent to the knitting machines, just to the right of the receiving door. As the yarn is needed, it is put in a box, weighed according to order on a movable scale, and then put near the machine on which it is to be knit.

Check-Back Possible

After knitting, the fabric is laid out on a long table right next to the machines. Here it is bundled and tagged according to style, color, dye lot, size and the number of pieces in each bundle. The knitter keeps a record of the time a fabric is finished, and this makes it possible, if necessary, to go back later and find out the particular dye lot from which a piece comes.

Prior to cutting, which is done in the same section of the factory as the knitting, the cloth is pressed on sized frames. One man, using an automatic cloth-cutting knife, is in charge of the cutting department. From here, it moves to the next row in the production set-up where the sewing machine operators are located. All types of trims are

then added with necessary equipment being located in the sewing section. Next the garments are separated and marked for pockets. Threads are trimmed off, sewing ends pulled in, and the sweater is ready for final pressing and inspection.

Quality control is a very important part of the Redwood City Knitting Mill's operation and is, according to firm executives, one of the reasons for the company's success. Every style is inspected and checked four times at different stages in the production flow.

Spare Machines

To avoid expensive shutdowns due to mechanical failures, the company maintains not just spare parts but a number of spare machines. Throughout the plant there is at least one extra machine in every department where a breakdown would stop the factory operation. This is not used regularly but is serviced and always ready in case of any difficulty. Spare motors and other parts are also kept in reserve, so that when repairs are necessary they can be quickly made.

The pressing area is located near the windows to provide a continual flow of fresh air to the employees. All windows are screened to keep the bugs out—a necessary but frequently overlooked touch in this Northern California area where the na-

tives like to pretend that insects wouldn't dare spoil the landscape!

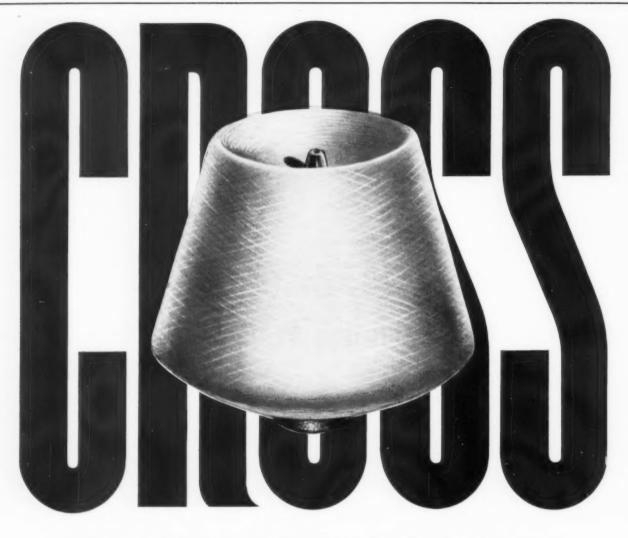
Order filling and shipping have been streamlined, since with additional area it is possible to carry increased stock. Very often on running numbers the firm is able to give one-day service.

A suburban community some 25 miles south of San Francisco, Redwood City is located in a region where summer temperatures can climb as high as 90 or 95 degrees; they average 75-80. Because of this, the mill has installed two hanging Reznor heaters that have summer switches which make fans go and throw out cool air. In the winter, of course, the same system is used for heat. There are also several small electric oscillating fans located throughout the building.

Bright Lighting

Combining day and fluorescent light, the new factory is bright and work-inducing. The installation of a Kindorth channel lighting system makes the artificial light adaptable to many changing conditions and provides ready outlets for fans and other electrical equipment. The light can be set in any position along the line of channels, or it is possible to cross channels with connecting lines. Fluorescent fix-

(Continued on Page 15)



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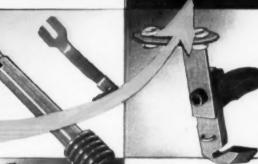
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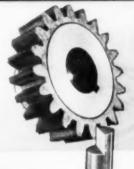
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SCOTT & WILLIAMS, INC.

Main Offices and Plants: LACONIA, NEW HAMPSHIRE
Sales Offices Empire State Bldg., New York 1, N. Y.
Divisional Offices: High Point, N. C. — Reading, Pa. — Rossville, Go.

Made from the original dies and finished as perfectly as the originals in your S & W machines

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JUNE 13TH—6TH ANNUAL

PACKAGING REVIEW



FEATURE ARTICLES WILL INCLUDE:

- "New Improvements in Packaging Films"
- "Packaging Equipment for Knit Goods Using Film Bags and Cardboard Containers."
- "Re-usable Packaging Materials"
- "Importance of Color in Packaging Design"
- "How Knitwear and Swimwear Firms Package— Successfully"

Coincident with the great strides the booming knitwear industry has been making in terms of brand-name identification, wider self-service distribution, and promotional merchandising . . . an entirely new approach to packaging is now necessary. With this increased "package-consciousness" in the trade, our 6th annual "Knitwear & Swimwear Packaging Review" will generate even greater reader-response than last year's edition.

Geared to help knitwear and swimwear manufacturers and jobbers stimulate greater sales, this issue will cover every new and important development in packaging materials, coloruse, box wraps, re-use containers, self-displays, package machinery, and bag opening devices.

PACKAGING SUPPLIERS: With every knitwear and swimwear executive reading and saving this important special issue, it becomes the ideal medium through which to apprise the knitwear and swimwear trade of your services and facilities. Plan now . . . to have a dominant advertising representation.

Call, write or wire for full details.

Deadline for space reservations — May 27.

Deadline for copy and/or plates—June 6th.

Knitted Outerwear Times

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tures can be placed anywhere they are needed. Powerful bulbs give a large arc of light. Offwhite walls increase the lighting efficiency while cutting down on glare.

The concrete floors are washed and sealed to keep down the dust, and it is planned to repeat the sealing procedure yearly.

A 70 by 100 foot, one-story building, the new plant was built to specifications for Redwood City Knitting Mills, and the firm has been occupying the premises since Jan. 1 of this year. With the company's business increasing 27 percent last year and a like advance expected for this year, the expansion possibilities of the new site were an important factor in its choice. The peaked-roof build-



sion possibilities of the new site were an important factor in its choice. The peaked-roof build
Interior of Redwood City Knitting Mills' new building. In foreground is cutting table. At the end of cutting table is rear door for shipping and receiving; behind it are knitting machines and table on which bundles of knit cloth are laid up.

ing has a 30 foot ceiling and 20 foot high walls, giving ample room to add a mezzanine or even another floor. In addition, the mill is located on a planned industrial tract with ready access to other buildings.

Within the factory itself, there is also extra room. For example, there is space for more sewing machines and for another pressing table. A large employee eating area has been provided in the center of the factory, and the office space has been increased, with an entrance foyer added.

The modern attractive exterior of the Redwood City Kntting Mill's new building is a happy counterpart for its carefully planned, cheerful and efficient interior.

Mill Modernization

Revere Sportswear Enlarges Offices; Revamps Procedures

WAKEFIELD, Mass.—Installation of IBM equipment, as part of Revere Sportswear's expansion program, has added valuable new functions to the services of the office staff while, at the same time, providing greater speed and accuracy in the performance of old established procedure. Now plans are underway to make

a further use of the new system and employ electronics to spot trends in styles and buying habits.

By feeding the equipment sales data for a given period in a previous year, it is estimated that raw material requirements and production schedules can be determined well in advance, with the ensuing advantages of economy and efficiency.

At Revere, the IBM machines are enclosed in a separate room divided from the main office by glass partitions and include: three key punches for inserting identifying holes in forms; an assorter and a collator for merging different groups of cards; a calculator which does all the extensions and reproduces summaries; a punch, used in conjunction with the tabulator, which also replenishes the tub files; and two tabulators which write all the reports and documents, and which also serve as adding machines.

Duties of the present office staff consist of checking orders as they come in and the handling of correspondence related to such orders, as well as preparing the tape dollar control of the IBM machines and checking

the controls as they come from the machines for both dollars and production.

Under the old system, each order was entered manually as it came in, with a separate page for recording each style and color. Orders were then typed. Packing slips were made out and checked against the file copy by hand and then the invoices were typed. A crew of girls would then make the additions or deductions in the perpetual inventory, and it was the practice to add up a summary of what was sold for each week and add it to the previous week's sales and

also to add up what had gone into production during the week.

Production schedules were planned on bi-weekly reports assembled from such tediously acquired information. There was no way of making allowance for human error, and pertinent information was lacking at crucial moments due to the backlog of paper work that accumulated during the "rush" periods.

IBM machines now write the orders, packing slips, invoices and sales reports. They prepare accounts payable and receivable, and the payroll; also commission statements, union reports and quarterly and annual Federal reports, all operations previously performed by hand. In addition, they give back balances, daily inventories and production reports hitherto un-

available. Soon the equipment will be used for cost accounting.

"The advantage of the IBM system is not that it is a cheaper method than manual handling but that it permits us to handle unlimited volumes and to accept increases and grow with the industry," Joel Gordon, vice president of Revere Sportswear, said. "The question is not whether there has been a saving in the payroll but whether our present volume could be handled by hand at all. You don't have to train machines."

"Whether there has been a saving in office overhead is theoretical," Mr. Gordon went on. 'In our case, the volume of business has increased two and one-half times since the system was installed, and we estimate that an increase of 200 percent in business has increased the office operating cost 50 percent. We pay \$20,000 annually for the rental of our IBM equipment, and we have eight highly trained women in our IBM room whom we didn't have before. In the old days, we had twelve employees on the office staff, which would mean that, at the very least, thirty workers would be required to handle our present volume under the old methods. In the meantine, wages have gone up and the expense of employee security provisions has increased."



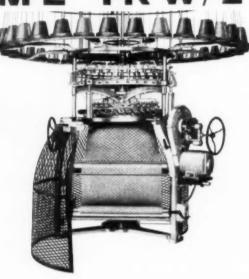
Revere Sportswear's new main office and IBM room.

NEW SUPREME IRW/2

Puts You

50% AHEAD OF

TODAY'S
PATTERNED RIB
INTERLOCK
FIELD



- 36 feeds 50% Greater Production Than Any Present Machine
- 50% Greater Pattern Area Than Previously Possible
- Unsurpassed Versatility



SUPREME KNITTING MACHINE CO., INC. 94.02 TOOM STREET, OZONE PARE 16, N. Y. Supreme's model IRW/2 knits up to 42 yards per hour of patterned or plain rib and interlock yard goods for outerwear and bathing suits.

Its 36 feeds give the knitter a tremendous advantage over existing machines in output and pattern area. All feeds are equipped with extra large pattern wheels (up to 6" diameter wheels supplied as standard equipment with larger diameters available optionally). The IRW/2 is 30" in diameter and available in cuts up through 16 per inch.

DUAL RACEWAY GIVES VAST SCOPE OF PATTERNS & TEXTURES FOR OUTERWEAR

The dial has a dual raceway for rib or interlock production. The needles of either raceway may be set in knit to tuck or knit to welt positioning — providing a sweeping range of patterns and textured rib or interlock production.

Supreme's new feeding rollers for accurate and positive control of rubber yarns are available as optional equipment . . . providing an extra advantage for bathing suit fabric producers.

Has Supreme's Standard, Mill-Proven Features including revolving cylinder. – stationary yarn stand – rugged, dogless construction, etc.

Write for free booklet on this important advance in the interlock field.



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MES

Mill Modernization

Melville Meets Depth Inventory Demands At New Site

By DORIS DIAMOND

AN INCREASINGLY pronounced demand from retailers for prompt delivery of their immediate order needs has brought about an already more than perceptible shift in responsibility for maintaining depth inventories and providing pre-ticketing services to the sweater source itself. To meet the growing need for a highly inte-

grated and centralized warehouse and shipping facility, Melville Knitwear Co., Inc., has relocated to a new 20,000 square foot site in Lawrence, L. I., which also houses executive and general offices. The location was chosen to best exploit the traffic arteries leading to and from New York City, and the physical plant layout itself was designed to expedite the flow of finished merchandise from Melville's contractors to its customers' shelves.

The new facility is nearly triple the area in net footage of the former location at 255 West 36th Street in Manhattan. It brings to Melville the advantages of inventory completely housed under one roof and the consequent ease of filling orders with a minimum of delay. Formerly, warehousing was scattered at several sites.

Continuous Flow

The fireproof Lawrence plant is a rectangular one-story building organized on a continuous flow basis: Operations start and end at the tailgate area at the southwest corner of the building at 25 Buena Vista Avenue. A

double tailgate arrangement permits two trailer trucks to unload or load simultaneously.

Finished goods from Melville's contractors - most of whom are located in Brooklyn, with another two in the Bronxarrive at the Lawrence plant by 9 A. M. in the morning, having been in transit no more than

35 minutes. Goods previously reached the Manhattan quarters as late as 3 or 4 P. M.

According to Melville I. Haupt, head of the firm, the company saves what amounts to an entire day in receiving and processing shipments, a saving particularly valuable when goods must be moved out again on the same day to customers. In making the decision to relocate on Long Island, Melville took into account the fact that its trucks would be moving in a direction away from, rather than with,

traffic congestion.

Once goods are received in the plant, they are moved away from the unloading area in a northerly direction toward the "breakdown" area, where styles, colors and sizes are categorized for stock or shipping. Packing and shipping departments follow in sequence at the other side of the building, bringing the flow of operation back to the tailgate area for loading on trucks and freighting.

One of the highlights in the stepping up of efficiency in the pre-ticketing operation is the use of mobile units which permit the ticketer to move to the goods, rather than have the goods moved to a department set aside for this purpose, which would prove both time and space con-

In addition to assuming responsibility for maintaining inventory and for pre-ticketing goods, Melville has embarked on a unit control set-up for stores on an experimental basis.

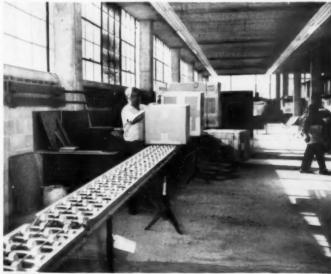
Unit Control Experiment

Currently the firm is working with 10 of the retail outlets of a large organization as a test measure to determine the advantages of keeping account of the number of units each store sells per week and replenishing items as they are moved. Each

(Continued on Page 69)



View of interior of new Melville warehouse.



Shipping area. Cartons are fed to tailgate via gravity roller conveyor.



Orders are picked and loaded for movement to shipping room.

Better Outerwear Sales At The End Of This Rainbow!

Fabrics Knit From American Thread Co. STAR SPUN Yarns

> Yarn Dyed And Bleached

*Combed Cotton Yarns

natural · mercerized · dyed · bleached gassed · single or plied

* Spun Synthetics and Blends

Hampton Burene
Cotton

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processed and quality controlled at The American Thread Co. from fiber to finished yarn



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Mill Modernization

Expanded Facilities For Napping, Shearing Sweater-Strips

POPULARITY of the plush look in interlock sweaters has prompted an extensive expansion of the facilities for napping and shearing continuous lengths of interlock sweater-strips at Knitgoods Brushing & Finishing Co., Inc. The company, which is housed in a factory loft at 67 Fourth Street, Brooklyn, is a subsidiary of

Milpac Dyeing Co., located a short distance away. The expansion of the Milpac subsidiary has taken the form of:

 An increase in plant space to 33,000 square feet.

 Installation of additional napping and shearing equipment as well as machines for producing brushed sweaters.

In its napping department the company now has six highspeed double-acting napping machines, two of which have been set up to operate in tandem to speed production and reduce naterials handling between napping passes.

Operation of the twin nappers is as follows: The goods fed into the first unit are scrayed at the exit end and then automatically fed into the next napper. In this way continuous high-speed production is maintained. The tandem double-acting nappers are operated by a four-man team, two feeding and straightening the cloth at the first unit in line and the other two performing the same functions at the second machine.

In the shearing room, the Milpac subsidiary now has an installation of nine double and single revolving shearing machines. One of these is a specially built unit for shearing narrow fabric used in trimming sweaters.

Knitters today have pretty well mastered the technique of knitting interlock sweater-strips for napping and shearing, Mac Millman, president of Milpac and the subsidiary company, pointed out. Some difficulties are still being encountered by a few knitters in knitting the separating course, but if proper precautions are taken this need not be a serious problem for the knitter, he saïd.

Mr. Millman again emphasized, as he has in the past, that a quality napping and shearing job is dependent upon producing sweater-strips of good knitting quality. Not only must the yarns selected for knitting napped and sheared goods be the right type, he said, but there must be an adequate number of courses and wales per inch knitted into the fabric.

In its brushing department, Milpac now has an installation of over 10 McCreary and Ainslee brushing units. The machines, which are set up in line, can handle sweaters in tubular



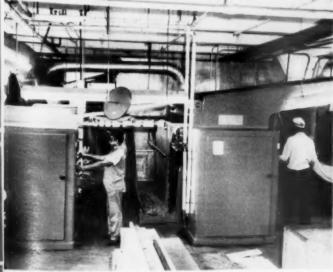
Brushing department at Milpac subsidiary. Each machine is equipped with ducts to exhaust lint and fly produced during brushing.

form, at the open width or in sweater form. The latter is done only on full-fashioned goods knitted of luxury-type yarns. Most of the sweater fabrics are handled in continuous lengths of sweater-strips.

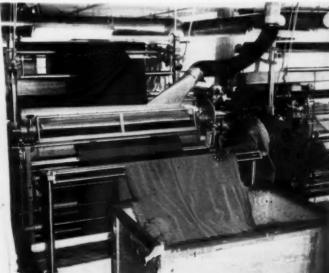
About 60 per cent of the production in the company's brushing department is of sweater-strips in tubular form, and the balance is processed at the open width. The latter technique is being increasingly favored, because brushing can be reduced

to a minimum of two passes, whereas on tubular goods a minimum of four passes is required, two on one side, two on the other, with the danger always existing that each folded side may not be properly brushed.

In addition to normal brushed goods, the plant is also handling an increased quantity of bulky rib sweater-strips. Many knitters are having their goods brushed on the inside to add further bulk to the garment.



Double-acting nappers operated in tandom to speed production and reduce materials handling.



One of the new double-revolving shears recently installed at the Milpac subsidiary company.

All Knitted Outerwear Men at the AMTA Exhibition Will Be Looking at These Two Gessner Machines



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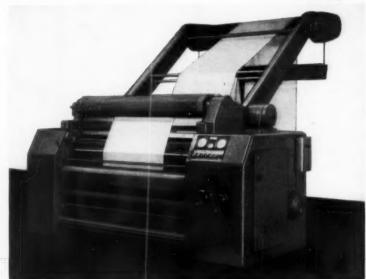
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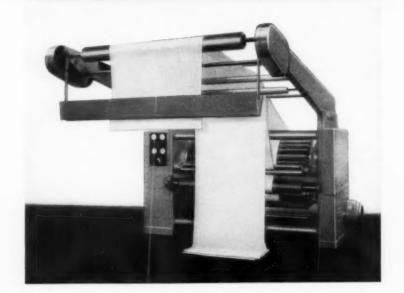
THE FRANKLIN SHEAR...

. . . to put a more uniform and smoother face on knitted outerwear, and do it with greater accuracy.



HI-TORC NAPPER...

. . . for pressure control napping.



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Western Representative: E. G. Paules & Co., 1762 West Vernon Ave., Los Angeles, California

Canadian Representative: W. J. Westaway, Montreal, Quebec; Hamilton, Ontario MES

American Textile Machinery Exhibition

Processing Machines For Knitting Yarn Among Exhibits

LATEST developments in yarn preparation and spinning equipment used in the production of machine knitting yarns will be placed on view for the first time at the American Textile Machinery Exhibition-International which will be held May 23-27 at Convention Hall in Atlantic City, N. J. Participating firms are listed

below, along with a brief description of the machinery which they will exhibit. No knitting equipment will be on display at the ATME show.

Abington Textile Machinery (Booths 240-245). Ancillary machinery for preparatory equipment. The exhibit will include a vacuum stripping system for revolving flat top cards; hand knotters, and an automatic remote - controlled bottom discharge receiver.

The company plans to introduce its new Cardpen, a drafting attachment to replace calendar rolls on a cotton card, said to increase production rate by 20 percent. In operation, web from the doffer is condensed into sliver which passes through a set of rolls and a rotary comb.

Representatives in attendance will be: John W. Burbine, sales manager; W. W. Brame, selling agent; M. R. Bradley, service department; Sumner Smith Jr., treasurer; Francis J. Richardson, superintendent, and Oliver H. Ramo, chief engineer.

Allen Warper Company (Booth 274). Warping machinery. The display will include the Model G-3 heavy-duty highspeed warper equipped with a high - speed beam attachment made by the firm's affiliate, the Allen Beam Company. The new warper, which can be arranged to accommodate beams with head sizes up to 40 inches, operates automatically after tension and density are selected. Hydraulic control of the beam's outward movement on a straight line keeps the pressor roll contact to the yarn beam under pressure with never varying yarn angle in order to correct tension of individual ends.

Allentown Bobbin Works, Inc. (Booth 654). Accessory equipment. Among the displayed materials will be bobbins and spools for the throwing of fine denier yarns, such as silk, rayon, nylon and combinations.

Personnel in attendance will be Henry W. Mack, vice presi-

dent, and Harold S. Barnes, secretary-treasurer.

Allied Chemical Corp. (Booth 36). Dyes and chemicals. The exhibit will feature a demonstration of advanced techniques in the use of heavy denier continuous filament nylon yarns. Shown will be such new developments as mirror effect, color blend, space treated and cork screw

Alsacienne, Societe de Constructions Mecaniques (Booths 844, 845, 915, 940-942, 1016-1018). Preparatory equipment. This French firm will exhibit a high-speed comber, Model PERL, for worsteds and synthetics, sold and serviced in the United States by Atkinson, Haserick & Co.; a two-head highspeed drawing frame, Model ER, sold and serviced in the United States by Medley Manufacturing Co., and an automatic self-propelled carriage for screen printing on tables.

Model PERL, a high-production rectilinear unit, is used for

French combing and recombing of wool, synthetics and blends. It is said to offer precision of combing, with high-speed narrow gauge machinery, to give accurate control of cleanliness, noil percentage and noil composition. A suction system prevents impurities from being projected back into combed fibers. The comber incorporates a conveyor for automatic noil removal, adjustment of web tension without machine stoppage and improved air-flow control.

Model ER is used for doubling and drafting carded and combed slivers of cotton, short staple synthetics and blends. It possesses a new drafting system and positive drive creel, and exceptional simplicity in settings and maintenance. The unit is equipped with a new two-zone four-over-four drafting system with suction cleaning.

The electrically driven screen printing carriage is said to be useful in duplicating hand printing economically. One unskilled operator can run two to three tables, the firm claims. The operator places the screen in the carriage with the appropriate color. By pressing a button he activates the machine, which

automatically prints all the way down the table, reverses its direction, comes back to the starting point and stops, ready for the next screen and color. The unit can print either in the warp or weft direction and at specified stops.

Representing the company at the exhibition will be: J. Nifenecker, general manager, Societe Alsacienne textile department; G. Weinberger, assistant manager, textile department; J. F. Berry, the firm's U. S. representative; Robert Leslie Jr., Atkinson, Haserick; and L. H. Morrison, president, Medley Manufacturing.

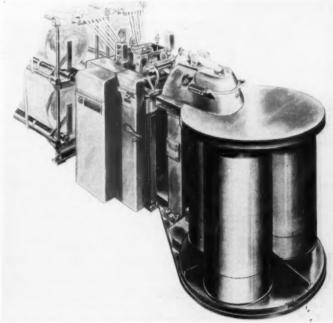
Ashworth Bros., Inc. (Booths 669-671). Accessory equipment. Among the displayed products will be card clothing for cotton, wool, worsted, synthetic, rayon and asbestos cards. Brush and card clothing for special purposes will include hardened point, plough ground and side ground card clothing.

Regular and hardened point. solid, split and flexible metallic flat clothing will be exhibited, as well as metallic wire for cotton, woolen, worsted and synthetic cards, licker in wire and garnet wire; flexible bend grinding; and remilling of flats. Woven wire conveyor belts will be shown for use in non-woven and other textile applications.

Representing the firm will be: R. C. Ashworth Jr., president; W. J. Flynn Jr., vice president; H. Ashworth, treasurer; F. L. Armitage, general manager, woolen division; J. M. Reed, Southern manager; J. E. Seacord Jr., Charlotte, N. C., manager; A. E. Johnston Jr., Greenville, S. C., manager; W. G. Halstead, Atlanta, Ga., manager; F. W. Hale, general manager, and D. J. Daylor, sales manager.

Sales and service representatives in attendance will be: R. C. Ashworth III, G. A. Davis, C. E. Lalime, Phillip Brann, Thurman Hart, Michael Croce, C. C. Withington Jr. and Ray Clary.

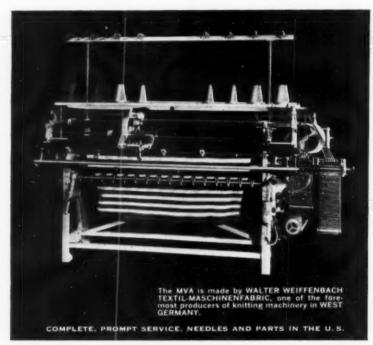
W. H. Bagshaw Co., Inc. (Booths 63 and 64). Accessory equipment for Preparatory and (Continued on Page 23)



New Warner & Swasey Automatic Can Doffer which will be shown at Atlantic City.

The NEW M V A

Fully Automatic Power FLAT MACHINE



For Profit-Knitting Bulky Sweaters, Trimming And Fine Knits

Samples can be made by hand; no chain needed.

Contact Ideal Knitting Machinery Corp. for further details, prices and delivery.

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. AVAILABLE IN 3 TO 14 CUT 63" WIDTH

- · Precision Built For High Speed.
- . Racking Over 1 x 1 or 2 x 2 Needles Automatically, At Will.

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Kit

- · Unlimited Stitch Design Possibilities.
- · Knoppen, Tuck Patterns, Racking, etc.
- . Changes Can Be Made On Either Side Of Machine.
- . High And Low Butt Needles On Front And Back Of Machine.
- 63" Width Available From 3 to 14 Cut.
- Simple Dual Short Chain Control System For All Automatic Motions.
- 5-Stitch Setting Positions On Front And Back Of Machine.
- · Front Needle Bed Can Be Lowered.
- · Attached Dual Speed Motor.
- · Adjustable Take-Down Rollers.
- Rugged Construction For Durability And High Output.
- Moderate Price.
- Safety Devices:
 LOW VOLTAGE STOP MOTION, KNOT CATCHER, NEEDLE.

DETECTOR, RED SIGNAL TROUBLE LIGHT ON STOP MOTION.

JA-A

MES

Drying Machinery. Among the equipment on display will be pins and lags for opening and processing textile fibers and pinned assemblies and machine parts.

The firm draws wire from high carbon steel rods in its own wire drawing plant and dries its quartered hard maple lag stock in its own modern dry kilns.

Representatives at the show will be Joseph J. Bagshaw, Mark H. Bagshaw, Thomas W. O'Day and A. Kendall Hall.

Baxter Corp. (Booth 1). Ancillary weaving equipment. On exhibit will be the Jacatron automatic electric card punching machine for endless paper tape power-operated jacquard systems. In addition, the firm will display machinery by Societe des Mecaniques Verdol, Lyon, France, for which it is exclusive representative.

French equipment will include the Verdol Antares 250 jacquard machine, an endless paper tape type, shown operating over a high-speed Swiss Saurer loom. This unit is a double lift, open shed machine featuring an opening cylinder with a safety device and opening card holder. The unit reaches a speed of 250 picks/m.

The company will also highlight the Verdol Synchro 190 single lift jacquard machine, an endless paper tape type, operat-

ing on a test stand.

H. W. Butterworth & Sons Co. (Booths 621-628). Dyeing, Drying and Finishing Machinery. A number of new textile finishing machines will be displayed, including a patented winder built around a concept of automatic cutting and doffing.

Other features will be a sixneedle sewing machine; a new method of applying pneumatic pressure to printing machine mandrels; a new compartment washer, and a six-cylinder dryer and laboratory padding machine

Butterworth will also have in operation its latest high-speed tentering machine and a variety of newly-engineered tenter clamps.

In attendance will be: J. E. Butterworth, president; DeHaven Butterworth, executive vice president; Stanley Brooks, vice president, sales; Thomas M. Davis Jr., assistant sales manager and export manager; T. W. Kitchen. George M. Marks, Victor A. Jones and Harold E. Whitaker, sales representatives.

Callebaut - De Blicquy S.A. (Booth 853). Dyeing Equipment and Laboratory Machinery. The exhibit by this Belgium firm will include the React-O-Mat, a totally enclosed high temperature and static pressure universal dveing machine with a 100 kilogram capacity and dyestuff dissolving pan and carrier for crosswound cheese. It may be utilized for wool, cotton and all synthetic fibers.

This unit may be placed in the bottom of a dyeing kier so that a material carrier of any system may be placed on top of if, thus creating a simple unit in which the React-O-Mat forces the liquor through the carrier in

either direction.

Also to be shown is a cupboard type dyeing machine for hank dyeing with a double row of sticks. It accommodates two superimposed layers of hanks supported by two rows of sticks each. It is useful in the dyeing of wool, cotton and synthetic hanks, and has a capacity of 100 kilograms or 50 kilograms of

Callebaut-de Blicquy will also demonstrate two automatic high temperature laboratory waterbaths for the dveing of samples with liquor rations of 1:5 and 1:25. They may be used for the dyeing of loose stock, sliver, threads and sample cloths. The former is particularly suited to

jigger recipes.

Chandler Machine Co. (Booth 326). Pleating Machines, Swatch Machines and Finishing Room Equipment. Power and hand operated cutting and pinking equipment will be on view at the Chandler stand. The company makes the power units in sizes up to 60 inches wide. Units for permanent pleating are also made in a variety of models and sizes.

Sample swatch pinking machines are available in portable models with blade lengths of either 61/2 or 81/2 blade lengths and floor models with blade lengths of from 81/2 to 30 inches. The latter are equipped with stands.

Cosa Corp. (Booth 825). Winding, Dyeing, Drying, Finishing and Accessory Equipment. Among those units to be shown by the Cosa Textile Machinery Division at its 2,700square-foot exhibit are: the Arbach steaming and finishing machine, a Stork model of the Rope-O-Matic washing machine, a Schilde air penetration dryer and Sahm high-speed precision winders.

Also on display will be a Kettling & Braun napping machine for knitted fabrics, a Scholl package extractor and dryerlaboratory dyeing machine, Erhardt & Leimer cloth feeders, Mettler skein to can winder, selvedge guides, iron detector, yarn singeing machine, double

winder and Croon & Lucke reeling machines.

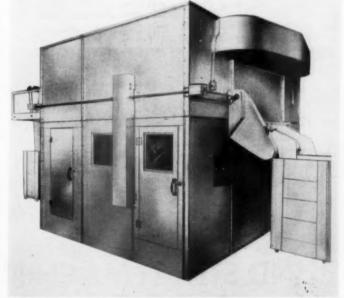
Sales and technical personnel in attendance will be: W. Swatek, Cosa European manager; O. J. Guttmann, Cosa U. S. A. manager; R. H. Meadows and H. J. Korndoerfer, Cosa sales engineers; F. Saxer, Cosa assistant manager; G. Sahm, president of Sahm; W. Schmidli, Croon & Lucke sales manager; J. Nieding, Schilde engineer; L. Schmidt, Erhardt & Leimer chief engineer; H. Mettler, Mettler director; I. Meyer, Mettler manager; S. Eberhard, Scholl technical manager, and Mr. Vetterlein, Kettling & Braun chief engineer.

Courtaulds, Inc. (Booths 33 and 34). Synthetic Fibers and Yarns. Courtauld fibers will be exhibited in states from fiber through yarns, fabrics and end products. The exhibition centers on Coloray, the firm's solutiondved rayon, and Topel and Corval, its cross-linked rayons.

Technical information will be available on spinning, knitting, weaving, dyeing and finishing. The display will include fabrics and garments illustrating a wide variety of blends and constructions produced with these fibers. Men's, women's and children's apparel will be shown in knitted and woven construction. Home furnishings and piece goods will

also be on display. Representatives attending include: Royston E. Dunford, director of market development and public relations; Homer M. Carter Jr., marketing and merchandising manager; Geoffrey Lund, manager of textile research and development; A. Beekman Hilton, sectional leader, textile finishing; William E. Totten, advertising manager; George Stanley, merchandising manager for apparel; Norman Casey, merchandising manager for home furnishings; Rose A. Simmons, home furnishings coordinator; Nancy Wolf, apparel fashion coordinator; William H. Ward, sales manager, and T. G. Etheridge and J. Dwight Bell

Jr., sales representatives. Daiwa Spinning Co., Ltd. (Booth 931). Accessory Equipment for Preparatory Machines. On exhibit will be a carding attachment for carding machines which consists of a specially designed hollow licker-in roller with perforated surface area between the present licker-in and



Tube-Tex Reelax-Jet will be among finishing units demonstrated at the textile show later this month.

Engineered for Tomorrow Available Today

Rumolde class 27

The right angle is made by a straight needle

Elimination of the old-fashioned curved needle has been achieved by an ingenious technical solution. The straight needle means less breakage and better stitch control.

These unique features add up to a machine which gives greatest production, highest quality and trouble-free performance.



Speeds up to 6,000 stitches per minute.

Stitch Length

Length of stitch is adjusted by simply pressing a button and turning the hand wheel for the desired length. The old fashioned timeconsuming cam changing method has been entirely eliminated.

Differential Feeding

Differential feeding is accomplished by the simple adjustment of a lever even while the machine is in operation. Negative to maximum differential feeding is afforded without the need for changing cams. (Differential feed is standard on all models except 27.6B.) Differential knee lift control available on request.

Lubrication

Lubrication is fully automatic... accomplished by a unique new pump system which distributes 3 quarts of filtered, cool oil throughout the machine every minute. The totally enclosed design of the machine eliminates oil seepage.

Tensions

Tensions are all on the front of the machine and are equipped with micromatic adjustment affording perfect stitch regularity without the need of constant adjustment.

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Advantages cited are: increased carding production of 50 to 100 percent; increased cleaning efficiency of 400 percent; minimized damage to card clothing; reduced nep count of 30 to 40 percent; improved sliver evenness of 10 to 15 percent; improved evenness and tensile strength of yarn; a lower grade and staple can be used to achieve equal yarn qualities.

The mechanism will be exhibited on an actual carding machine for the first time at the textile machinery exposition.

Davis & Furber Machine Company (Booth 527). Textile Machinery and Card Clothing. On display will be preparatory, carding, spinning and finishing devices. Among these is the new Model H high production wool ring spinning frame, which incorporates 37 features, 26 of them new, said to increase production, provide preventative maintenance and safety.

The frame is equipped with a speed increasing balloon ring which prevents the yarn from slapping against the separator. It also has: an electric motor with magnetic clutch and electronic controls which varies the frame's speed as the build of the bobbin progresses or as the angle of pull changes; a new yarn tension control device which relieves yarn tension at the bite of the draft roll and below, and is also said to aid in equalizing yarn tension where it winds on the bobbin; and 15inch yarn traverse paper tubes expected to increase package size by 15 to 45 percent.

The Davis & Furber exhibit will also include the Model L 84-inch woolen card, a single breaker, double finisher unit, with No. 51 all-metallic wire breast. Harwood G-3 Bramwell stock feeder, intermediate feed with Peralta latest Model L 5-A

tape condenser.

A new two-cylinder sliver card, 60 inches wide and of all-metallic wire, will be shown for high pile knitting machines. It is specifically designed to process synthetic fibers up to three inches in length. Sliver is collected by a can coiler. The Bramwell G 4-A feeder is included

Davis & Furber will also exhibit a new fiber blending opener to prepare stock for woolen cards, which features different degrees of stock open-

ing and is designed to allow a variety of unit arrangement. Each section of the machine is built on a cast-iron frame. T-slot arches are used in the main cylinder frame, and lags running the length of the cylinder have pins mounted in a wooden base. Lags can be easily unbolted to replace with lags of other size pins. Positive chain and sprocket drives permit change of speed by change of sprockets.

In finishing equipment, the company will display its new 90-inch-wide double acting Selectrite napper featuring a pushbutton panel with tachometer dials and centrally located controls for tension and an optional laying brush. Push buttons operate the main drive motor and three motor-controlled positive infinite variable speed units for controlling separately the speeds of pile rolls, counterpile rolls and position of tension control.

Dean Products, Inc. (Booth 123). Accessory Equipment for Heating and Cooling Application. The exhibit will feature Dean Panelcoil heat transfer units with particular application to the preparatory, dyeing, drying and finishing divisions of the textile industry.

Among its uses is in the recovery of heat from waste prozess solutions, in which case rows of parallel double - embossed Panelcoil are mounted close together in a relatively shallow open tank.

Dean will introduce two new design and construction features at the ATMA exhibit, including Panelcoil in widths up to 29 inches, or seven inches wider than the previous industry maximum. It is available now in five standard widths, starting with 12 inches. The firm will also introduce its new standard heavy gauge embossed Panelcoil of 12-gauge "L" carbon steel and 14-gauge 316 "L" stainless steel.

In addition, single and double embossed Panelcoil units in straight and curved sections, and in various metals and alloys will be shown.

Representatives in attendance will be: Walter Raskin, general manager; Rubin Raskin, sales manager, and M. William Ehrlich, chief engineer.

Deering Milliken Research Corp. (Booth 124). Machines for Producing Textured Yarns. Two models for the production of Agilon yarns will be displayed for the first time by this firm. They are Model 2110 and Model 2086.

Model 2110 is intended for the manufacture of both single and plied yarns over a range of 20 to 200 denier in the single end. Yarns may be either stretch or bulked in nature; either nylon or Dacron fiber may be crimped. The unit embodies a single step process starting with the fiber producer's package in the creel and ending with a shipping package of yarn which is plied, oiled and ready for shipment to the consumer.

Model 2086 is designed for the production of single end stretch yarns over a range of 15 to 70 denier, either mono or multi filament. It offers the same advantages as Model 2110, including low processing cost and high product quality.

Diehl Manufacturing Company (Booths 289-291). Ancillary Equipment and Sewing Machine Motors. Equipment at this firm's exhibit will fall into three categories. Power transmitters or clutch-brake drives will be shown for looms, spinning frames, roving frames, winders, etc.

Automatic tension control equipment and Servo components for automatic control will also be on display.

Representatives will be: A. Roy Booth, vice president, sales; Robert H. Hanson, Kenneth L. Trostle and John S. Wood, district managers; Alex J. Murphy, branch manager; Franklin A. Yates, chief engineer; Edward P. Turner, chief of research; Lorenz A. Wendel, development engineer; Victor Marchuk, engineer; Edward F. Hall, assistant to the president; William B. Hunter, manager, military products, and Joseph C. Ike, sales engineer.

Draper Corp. (Booth 115). Weaving Machinery and Accessories, Shuttleless and Single-Shuttle Looms. The Draper exhibit will highlight five looms, three of which will be of the new shuttleless type demonstrating different fabric production.

In addition, there will be two conventional type looms. One of these will be the X-2 high-speed loom and the other a wide sheeting loom. There will also be a display of accessories and repair parts.

E. I. Du Pont de Nemours & Co. (Booths 1235-1238 and 1300-1303). Man-Made Fiber Producer. The display will feature samples of various synthetic fibers produced by Du Pont, including the newest fibers resulting from its research and development work.

Both domestic and export marketing divisions will be represented.

Durant Manufacturing Co. (Booth 292). Accessory Equipment, Counters and Measuring Equipment. The firm's exhibit will highlight the introduction of an electric pick counter system that gives complete production information from all parts of the mill at one centralized location.

In this system, a Model D-6 contactor is placed on each spinning or other production ma-(Continued on Page 29)



Woonsocket napping unit for knit fabric to be exhibited at the ATME.



THE TORRINGTON COMPANY Established 1866 Terrington, Conn., U.S. A. Bedford, P. Q., Canada • Coventry, England • Genoa, Italy

GOOD NEWS IN PATTERNED RIB INTERLOCK KNITTING FROM

SUPREME MACHINES

With the development of its new Model IRW/2 Machine, the Supreme Knitting Machine Co., Inc., makes possible important advances in the production of patterned, plain rib and interlock fabrics. This machine not only steps up production but also greatly expands the size and variety of patterning possibilities for outerwear and bathing suits. The articles illustrated here are of the type in which it offers knitters new and important advantages. This, and other Supreme knitting machines, are equipped with Torrington Needles. Mr. Sidney Mishcon, general manager of the company, tells why:

"We have found, through long experience, that Torrington Needles are definitely an asset in the operation of our machines. Their uniform construction, carefully controlled finish and dimensions help to assure the consistently efficient, economical production for which Supreme Machines are famous."

Torrington Needles will contribute to the efficiency of your machines and your knitting operations, too. Let Torrington provide you with the fine needles and the prompt, dependable service for which it is famous. We are always ready to help you solve your needle problems. Just call our nearest office.



IN TUNE WITH TODAY'S MARKET is Supreme's new Model IRW/2 Machine. It knits up to 42 yards per hour of patterned, plain rib or interlock yard goods for outerwear and bathing suits. Its 36 feeds give knitters important advantages in output and pattern area. All feeds are equipped with extra large pattern wheels (up to 6" diameter wheels supplied as standard equipment with larger diameters available optionally). The IRW/2 is 30" in diameter and available in cuts up through 16 per inch. The dial has a dual raceway for rib or interlock production. Needles in either raceway may be set in knit to tuck or knit to welt positioning – providing a broad range of textured rib or interlock patterns. New feeding rollers (optional) for accurate control of rubber yarns provide an extra advantage for bathing suit fabric producers.

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chine and wired to electric counters at one centralized location. Thus all counts are registered at the central control panel, rather than at the individual machine. The new electric pick units are small and extremely flexible as to mounting position.

In addition, Durant will display its entire line of lineal, predetermined, stroke, rotary and electric counters.

Eaton Manufacturing Co. (Booths 298-300). Accessory Equipment. A new line of speed reducers will be displayed by the firm's Cleveland Worm & Gear Division. The units are said to be capable of transmitting up to 80 percent more horsepower than that carried by conventional worm gear units.

Use of fan-cooling, centrifugally cast bronze gears and a special heat-treating technique on alloy steel worms permits substantially higher input horsepower and output torque ratings

with smaller units.

Cleveland Worm will also exhibit a compact variable speed drive with built - on motor. It is an all-metal, traction-type mechanical drive with stepless speed control and is offered in

capacities from fractional to 16 h.p.

Eaton's Farval Division will illustrate the distribution of lubricants automatically from a central point to any bearing surface. Basic components of Farval systems will be on display. The Farval-Tanway system is highlighted for the lubricating of small machines. Its power sources include pneumatic, hydraulic, motor-driven electric, cam-operated mechanical or manual operation.

Edda International Corp. (Booth 1227). Preparatory, Weaving, Dyeing Machines and Accessory Equipment for Weaving Machines. The company plans to display Titan warp tying-in machines; Excelsior reed cleaning and polishing equipment; its Maxbo shuttleless loom; the Henriksen VH-Super jig; and loom supplies.

Frank W. Egan & Co. (Booth 751). Electric Machines for Finishing Departments. An electric ironing machine for synthetic or wool fabrics will be featured at the Egan stand. It is said to produce a lustrous finish on fabrics and to soften and upgrade materials. It is particularly

suggested for deep pile goods, imitation furs and face-finished wools.

The basic machine includes take up rolls, driven spreader roll, conveyor belt table, aluminum ironing roll, drag roll at delivery end, complete electrical controls mounted in a pre-wired separate cabinet and drive motors for ironing roll and conveyor. Available auxiliary equipment includes a steam box, Mecho air guider, flat folder and winder.

Fife Manufacturing Co. (Booths 655-658). Ancillary Equipment for Finishing Machines. Various components from the firm's line of automatic cloth guiding equipment will be shown, including automatic guiding power units, sensing heads and cloth guiding mechanisms.

There will be demonstrations by the company of guiding cloth by shifting the let-off roll and of the Kamberoller method of guiding cloth at an intermediate location.

Personnel in attendance will include: Irwin L. Fife, Douglas G. Fife, R. L. Fife, Donald Paulsen, Norman Lipucci, Warren A. Schilling, Forrest C.

Ames, J. Fred Slaughter, C. W. Brown and Bruce A. Feiertag.

Foster Machine Co. (Booth 649). Cone Winding Machinery. A new cone winder of advanced design will be unveiled by Foster, in addition to a line of electronic control and detection devices developed for textile use by Lindly & Co., Inc., for whom Foster is the exclusive sales representative.

Among the Lindly electronic controls to be shown will be the Electrotense, a yarn tensioning device for warps, creels, winders, twisters, knitting machines, looms, etc. It is claimed to provide uniform tension for any number of ends and to permit the overall adjustment of tensions by means of a single dial.

Also on display will be the Lindly Dyna - Micro - Gage, a photoelectric testing device for the continuous monitoring of spun and filament yarns, and for checking the average denier of filament yarns, the uniformity of spun yarn and other operational elements that call for varying degrees of sensitivity.

The Lindly automatic yarn (Continued on Page 31)

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Our 1960 Line of Holiday and Ski Sweaters for Active Sport and Spectator Wear in New, Rich Colorings and Advanced Styles

Fine All Wool of course Shown Only by Appointment

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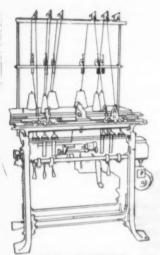
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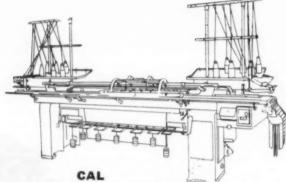
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WEVENIT A-24 CIRCULAR FINE RIB JACQUARD YARD GOODS MACHINE

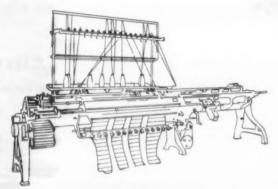


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HIGH- AND LOW-BUTT NEEDLE FLAT KNITTING MACHINES:

DC - DSC - DRC

DL - DSL - DRL



BAN-BARB/2 JACQUARD FLAT KNITTING MACHINE

inspector, also scheduled for exhibition, is a high-speed ultrasensitive photoelectric instrument for detecting yarn defects such as broken filament, stripbacks and fluff balls in warping.

Foster personnel in attendance will include: E. C. Connor, president and director of sales; P. H. Farmer, assistant sales manager; E. P. Dodge, Southern manager; C. H. Amidon, chief engineer; F. F. Strange, R. B. Kendall, S. A. Burke, E. Davis and J. A. Moore, engineers; J. B. Davenport, G. W. Mallory, H. E. Swift, C. A. Faunce and E. H. Ely, sales representatives.

Lindly will be represented by Howard Lindemann, president; Vladimir Mateyka, vice president, and C. P. Elgin, engineer. Foxboro Company (Booths 399-401). Industrial Instruments. New ideas in instruments and instrumentation will be presented.

ments. New ideas in instruments and instrumentation will be presented by the company, many for the first time. Among the displayed units will be the new Model C-HCR CycleLog Controller, which adds automatic rinsing to the traditional Cycle-Log control of the dyeing schedule. It thus provides rates of temperature rise, dyeing tem-

DRC

perature, holding time, rate of cooling, rinse temperature and rinse time.

The new pH Dynalog recorder for wet processing application will be demonstrated. This instrument measures pH without the traditional preamplifier, resulting in lower maintenance and operating improvement. Also being introduced is a new 160 square inch diaphragm motor for pneumatic loading, said to assure greater nip pressures and, since the motor provides a four-inch stroke, easier threading.

Complete instrumentation for automatic chemical dilution will also be displayed. This system consists of controllers for concentration and level; flow recorders receiving signals from a magnetic flow meter and an integral orifice d/p cell transmitter; and a new all-plastic PVC control valve.

Foxboro will also demonstrate stretch recording and control, using Type 16A pneumatic speed transmitters, a ratio controller and a pneumatic current controller to adjust motor speed to maintain desired percent stretch.

Foxboro engineers in attendance will include: T. A. Jones, E. R. Tims, S. C. Alexander, A. S. Warren, W. Bishop, G. E. Clark, J. R. Hileman, B. S. Winchester Jr., A. R. Hicks, C. W. Hartmann, R. E. Beers, C. L. Williams, K. L. Barton Jr., W. D. Carty, J. S. Coulter, R. M. Glass, W. H. Ridley and A. Grant.

Gilbos, Ateliers de Construction (Booths 854-856). Winding Machines. The Belgium firm will be represented by a U.C. cross winder which carries yarns from skeins to cones and by a high speed roll winding machine type rolls 10. Agent in this country is Stellamcor, Inc.

GPÉ Controls, Inc. (Booth 750). Accessory Equipment for Finishing Machines. Among the units demonstrated will be the GPE web width indicator with Model 525-AL1-PJ regulator incorporating the photocell sensing head on each side of the web wherein the position indicator will read out the exact web width of the material at all times.

The RB-701 guide roll will be shown positioned by the GPE Rotoject regulator with moving coil signal system and GPE reflected light photocell sensing head.

The payoff (unwind) reel edge guide demonstration will illustrate the GPE edge guide system using the Model 558-AL1 regulator, the RB-696 miniature sensing nozzle and a two by six inch pivot mounted cylinder.

A line follower control display will feature the GPE Model 558-AL1-PJ edge guide regulator. A small table, positioned by a cylinder, follows the movement of a sample of material under the reflected light sensing head.

Additional items on display will be: the GPE Rotojet regulator with the new pneumatic diaphragm operated signal system, which has been designed for printing press applications; the same regulator with moving coil signal system; the GPE RD-736 sensing nozzle; the new GPE centerline sensing nozzle with six-inch orifice; the RB-770 air beam nozzle, and the RB-767 proximatic nozzle.

In attendance will be: Earl Schroeder, Joe Deering, Pete Sorsen and D. B. Digel.

(Continued on Page 33)

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All Eastman knives are sharpened to a longbevel, razor-keen edge that slices through stretchy knitted fabrics on contact . . . no pushing, no distortion. That's why Eastman machines work perfectly with any synthetic, especially bulky knits, and of course, with all natural fibers.

Eastman motor-bearings are permanently oiled-and-sealed. Never need attention.

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FASTER-CUTTING, MONEY-SAVING
71/2" KNIFE

The extra-long cutting edge cuts faster . . . gives greater use . . . cuts more at a lower cost. Throatplate holds cloth in place for easier cutting. Grease-sealed bearings throughout.

EASTMAN Lightning — the powerhouse "KNIT-GOODS SPECIAL" SAVES HOURS and DOLLARS

This most protected machine keeps yarns from being pulled in behind the knife . . . keeps threads ravelings, etc., from getting into the gears.

There's NO TIME LOST keeping this machine clean!



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Straightest sharpening
 Saves up to 35% in knife-costs



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TERROT 4 COLOR STRIPER INTERLOCK (IM4F). Anything you can draw with horizontal and vertical lines can be knitted. Quick and easy pattern changing, at one point with only a few inches of waste. Also makes eight lock textures. No limit to your knitting scope.

TERROT VELOUR. The only quality Velour machine. Now equipped with stripers.

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Gaston County Dyeing Machine Co. (Booths 638 and 639). Dyeing and Drying Machines. The display will include laboratory wet processing equipment and parts of a large production unit, including new developments in the hydraulic pumping system.

The firm plans to exhibit enlarged photographs and offer technical information concerning the Avesta rapid dryer and semirapid recirculating type dryer.

Representatives will include: George H. Hacker, vice president and sales manager; Walter J. Newcomb, sales engineer; Ray P. Craig, vice president and sales engineer; Gordon Hacker, vice president and general manager; A. P. March, J. R. Angel and A. R. Breen, sales engineers; and A. R. Webster and G. A. Rogers, Canadian sales agents.

General Plastics Corp. (Booth 1216). Plastic Coatings for Metal Surfaces. The exhibit will highlight the products and services of General Plastics and of General Dispersions, Inc.

Among the former's features will be Teflon coated dry cans, thermo panels and other equipment. Teflon is designed to prevent the sticking and build-up of resins, starches, sizings, dyes and other compounds.

In addition to textile processing equipment, coatings will be displayed on packaging machinery used by producers of consumer products.

New textile finishes produced by General Dispersions will be introduced at the ATMA exposition, including nylon dispersions—on fabrics—which are applicable on natural and synthetic goods. They do not need special curing cycles.

A special compound will be shown to encounter the problems of slippage and fraying when cutting and sewing fabrics.

Heany Industrial Ceramic Corp. (Booth 7). Accessory Equipment for Preparatory, Spinning and Finishing Operations. The company plans to display its Heanium thread guides and tension devices.

Those in attendance will be A. O. Pieper, president; H. Boveri, production supervisor; R. L. Carroll, engineer and Southern representative; and R. P. Bennett, Mid-Atlantic representative.

Herzog-Auerbach & Co. (Booths 950, 951, 1007 and 1008). Braiding Machinery. This Western German firm will display a complete line of high speed braiding units for manufacturing round, flat and all types of special braids, as well as heavy ropes and hawsers.

The five double-head machines to be shown are: a 12-carrier round braider, an eight-carrier square braider, a 12-carrier solid cord braider, a 16-carrier round braider and a 25-carrier flat lace braider.

Also to be displayed is one group drive arrangement of braiding machines consisting of a 24-carrier round braider, a 32-carrier round braider and two 17-carrier lace braiders, with conversion accessories.

U.S. sales representative is Vanderburgh & Co., Inc. Attending the show will be A. G. Herzog, K. G. Richter, R. Wiemer and H. H. Quell.

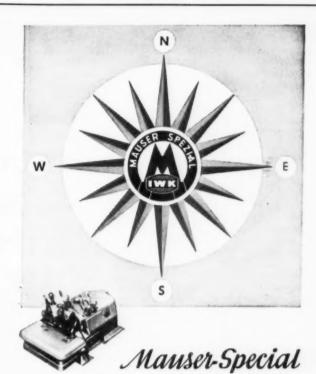
Ateliers Houget (Booths 857 and 903-906). Preparatory Machinery. On display by this Belgium firm will be a Type R.T.F.1 ring frame for condenser yarns. It will be equipped with only 44 spindles, have a frame gauge of seven inches, a ring diameter of 5½ inches and a lift of 17½ inches.

The ring is equipped with special R.T.F. spindles. The R.T.F. device is responsible for reducing the spinning tension. Its advantages include: considerable high spindle speeds, up to 5.050 rpm with the 5½ inching diameter and a maximum front roller speed of 400 rpm; reduced number of ends down per 1.000 spindles/hour; and bobbin weight increased by 40 percent.

With a 5½ inch ring diameter, net bobbin weight is three pounds. The ring frame is also built with ring diameters of 2¾-inches, three inches, 3½ inches, 4 22/32 inches, five inches, 6½ and seven inches.

The maximum bobbin weight is five pounds and the speed varies with the ring diameter from four to 14 rpm. The ring frame is equipped with a stationary spindle rail and moving ring rail. The frame is driven by variable speed motor, thus maintaining constant balloon and spinning tension.

The unit also has a variator for changing twists without (Continued on Page 35)



Industrial Sewing Machines

owe their international reputation to the precision of all their component parts, as well as to their most accurate assemblage and extremely precise adjustment.

A complete line of various types are manufactured. They are used for all appropriate purposes by manufacturers of hosiery and knit goods as well as clothing, woven goods, blankets and similar materials.



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Feed-off-the-arm Seam-Falling Machines
Bag Sewing Machines
Band-Attaching Machines
Border-Attaching Machines
Single and Double Needle Crochet Machines



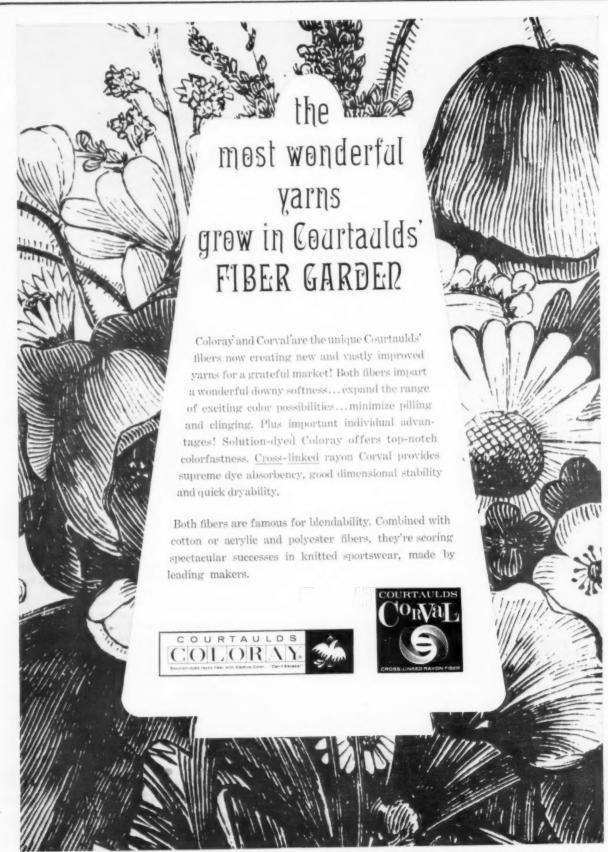
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changing gears; a false twist tube, situated between the top rollers and the front rollers and equipped with a false twist finger. The frame stops automatically for doffing and creeling.

Hudson Automatic Machine & Tool Co. (Booth 41). Ancillary, Testing and Quality Control Equipment. At the exhibition, Hudson will display its Projectina Model 4014, a testing instrument with quality control and research uses. It provides instantaneous data and will be equipped with the new Polaroid photo-attachment which will be shown for the first time.

A project, comparator and microscope attachment for yarn comparison and the examination of spinnarets will also be shown. A further feature will be the Model 4106 double projector for checking two samples of fabrics, yarn, etc., side by side.

Industrial Dryer Corp. (Booths 680-681). Yarn Preparatory Machinery. The company will exhibit an "H-W" yarn conditioner equipped so that it is possible to automatically preheat, condition, exhaust or dry at the end of the operating period.

Interstate Textile Equipment Co. (Booths 1535-1537). On display will be the Delerue "Rocket" winder produced by D. Delerue and Cie of Roubaix, France for use on all types of wool, cotton and spun synthetic yarns. A six-spindle unit, it winds packages of up to 30 inches long and containing nine pounds.

The package is said to be suitable for yarn dyeing, backwinding and as the filling supply for Unifil for shuttleless looms, circular and flat knitting machinery, as well as warping, pirn and cop winding.

The yarn is wound at speeds up to 11 yards per minute at a high crossing ratio. The layers of crossed yarns are positioned on a tapered surface of approximately 18 degrees. This factor plus the absence of a center spindle or core permits high speed with virtually no tension, according to the firm.

Representing Interstate will be: Morris Speizman, president; M. P. De Leo, vice president; Leon Kimmel, sales manager.

Johnson Corp. (Booths 392-393). Accessory Equipment, Rotary Pressure Joints. The exhibit

will include the firm's line of Type S self-supporting Johnson rotary pressure joints with assembly plates and Johnson syphon elbows.

The Johnson Type S is a selfsupported rotary joint used to admit steam or liquids into textile machines, calendars and similar equipment with rotating heating or cooling cylinders, rolls or drums.

Also to be shown is the line of Type L-JSP rod supported Johnson rotary pressure joints with assembly plates and syphon elbows. The rotary pressure joints are used in the textile industry on dry cans, print cans, five and seven foot cotton slashers, multiple slasher cylinders, calendars and Singer rolls.

In addition, the firm will display small operating models on which will be installed Type SBP self-supporting and Type L-JSP rod supported rotary pressure joints with assembly plates and syphon elbows.

Johnson solenoid operated valves will be shown for automatic or remote flow control of liquids and steam up to 400 degrees F. They are available in normally closed, normally

opened, explosion proof and three-way models. Other devices to be displayed are: an instant steam water heater, which uses steam as the heating medium; and compressed air separators and aftercoolers.

Jomac, Inc. (Booth 43) Accessory Equipment. The company will feature a display of industrial textile rolls.

William Kenyon & Sons, Inc. (Booth 79). Accessory Equipment for Preparatory Machinery. New products to be exhibited by the firm are: the Kenbrake combined clutch and spindle brake; an individual drive for cotton cards; and Kennylbond bonded nylon spindle tape.

The Kenbrake is described as a new method of stopping one or more spindles of a four-spindle tape drive while allowing the tape speed to be maintained and the remaining spindles to work without undesirable speed losses. It consists of a revolving disc on which a free running whorl and an automatic brake are mounted.

The new individual drive for cotton cards applies the new (Continued on Page 37)

Built and Serviced Here
 in the United States
 Engineered for trouble-free
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for 2 or 3 Color Trimmings or 4 or 6 Solid Color Trims



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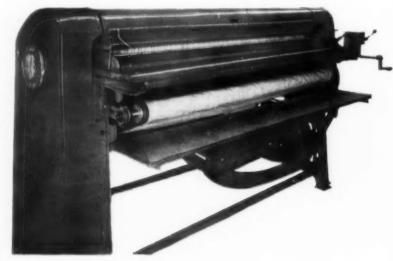
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IMES

PowerGrip Drive to British cotton industry needs. It is said to combine in one transmission medium a positive drive with accuracy of gears, versatility of V and flat belts and precision of chains.

Kidde Textile Machinery Corp. (Booths 478-481). Preparatory, Warping and Slashing Equipment. Emphasis will be on warping and warping creels. The firm intends to exhibit its Model 158A direct beamer for 36 by 5414 inch section beams; and Model 144B tricot type warper for 21 by 21 spools.

Also to be shown is the Model 149C tricot type warper for spools up to 32 inches in diameter and convertible from 42 inches OA to 50 inches OA. The Model 146B yarn accumulator will also be displayed.

In addition, the company plans to exhibit a small section of magazine creel with the latest packager holders, tension devices, stop motions, etc.

Edward Kusters (Booth 846). Drying and Finishing Machinery. On display will be the Type 78 Vibrotex washer shown with Aquaroll squeezer, as well as a separate exhibit of the Aquaroll unit. The firm also manu-

factures three-bowl swimming roller mangles described as useful in the dyeing, starching and resin finishing of knitted fabric.

The Vibrotex washer is designed for rinsing and water extraction, either individually or in combination with open width washing ranges. It also serves as a continuous backgrey washer in connection with roller printing machines. Rinsing is achieved via a vibrator in the form of a perforated stainless steel drum located in a stainless steel trough. The cloth is guided around the drum in open width form, and the water can freely penetric the cloth.

The main element of the Aquaroll squeezer is a floating Perlon fiber bowl. The hydraulic water pressure is obtained from a pump, and the floating bowl is pressed from below against the ebonite counter bowl. Since the Perlon fiber bowl floats on a water cushion, pressure is uniform over the whole width. The fairly small diameter of the bowl permits maximum squeezing effects. The mangle allows for maximum speeds of 200 yards per minute, is compact in design and can be synchronized with existing open

width washing ranges and other equipment.

La Duranitre S.A. (Booths 803 - 806). Preparatory Machinery for Spinning Man-Made Fibers. On exhibit will be the Autoleveller and high speed gill box suitable for processing wool, synthetic fibers, polyester and polyamides, as well as colored wool and blends. They can also be used for the new semi-worsted system.

The Autoleveller, the Autocalibreur, an automatic unit, is equipped with twin head delivery. The heads level two slivers simultaneously. The main advantage is that roving can be levelled as near as possible to spinning. In operation, specific thickness of the sliver fed is measured by the monitoring roller that can level variations of about 25 percent. This information is fed to a mechanical memory and the transcript of it is operated by a scanning device in time to allow the measured sliver to reach the draft zone. The change is effected by the P.I.V. gearbox.

A mechanical differential compares the speed of this gear with the speed of the P.I.V. gearbox and the mechanical

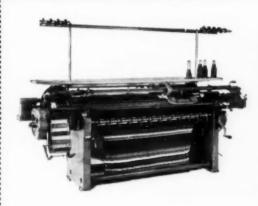
differential acts on a hydraulic valve operating a jack that controls the change gear.

The high speed gill box, the record drafter, contains a single drawing head incorporating can delivery motion to provide for six slivers. It is a non-intersecting gill with a single set of fallers with plastic ends.

In operation, a hydraulic roller weighting arrangement with synthetic covered pressure roller is driven, leaving the drafting roller adjustable. The machine is driven by a two horsepower motor.

Leesona Corp. (Booths 197-211). Preparatory Machinery, Ancillary Equipment for Weav-Take-up Winding and Quilling Machinery. Unifil loom winders will be demonstrated in operation on X2 and XD looms, illustrating the weaving of cotton and synthetic fabrics with Unifil. Features to be shown include the adaptability of the Unifil loom winder to the double change loom, the weaving of fabrics made with Saaba textured yarns and the versatility to be obtained with Unifil loom winders in allowing mill changes from one style to another.

(Continued on Page 39)



ALEMANIA-SEYFERT & DONNER WEST

The only single lock flat power machine with 71" NEEDLE BEDS

63" Needle Beds also available

Additional needle space for more economical production of trimmings and garments.

Built in 3-14 cut.

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TURBO



TURBO MACHINE COMPANY, LANSDALE, PA., U.S.A.

TIMES

Twister-coners will be exhibited to demonstrate the single step twisting and coning of large eight-pound cones of filament and stretch yarn for use as a supply to the Unifil loom winder or other processes. A display of take-up equipment will demonstrate the production of large precision wound packages of filament yarn, taken up directly from a spinning process.

Also to be shown are: A rotoconer drum winder with attachments for producing at high speed large cones that can be used as a supply to the Unifil winder, and instruments to demonstrate modern methods of yarn testing during production.

Personnel in attendance from Leesona's domestic sales division will be: F. P. Barrie, F. J. Barrows, J. Bowler, J. R. Breen, J. A. Freed, K. H. Gibson, W. V. Goodhue, Robert Leeson, G. Mitchell, E. C. Parish, Robert S. Pennock, W. J. Quinn, C. E. Sullivan, R. H. Wallace, J. V. Keith, H. R. Kennedy, H. D. Kernan, R. Waugh, A. D. Weston and J. J. White.

Link-Belt Company (Booths 94 and 98). Accessory Equipment, Drives, Bearings and

Speed - Reducers. The display will highlight the company's line of power transmission equipment with the latest innovations in variable speed drives.

The new RS P.I.V. variable speed drive designed with ratings up to 50 horsepower will be featured. Another drive unit, the new motorized differential P.I.V. with automatic controls, will be exhibited for the first time at the ATMA exposition.

In addition, typical enclosed gear drives used for finishing equipment, spinning and twisting operations will be on display. They will include the Universal worm gear, shaft mounted, in-line helical and Motorgear speed reducers.

The company's self-aligning bearing line will be represented in a number of sizes and will include new spherical roller bearings, ball bearings, pillow blocks, flange units and special units for the textile industry. Typical silent and roller chain drives will also be exhibited. Engineers will be on hand.

Macbeth Daylighting Corp. (Booth 389). Mill Equipment, Lighting. On exhibit will be the company's line of color matching skylight units and Examolite fixtures for color shading, grading and flaw detection. The firm features a multiple lighting system designed to reproduce all normal lighting conditions. All styling installations are customer designed.

The color matching skylight is described as equipped with a two variant light source consisting of the Macbeth north sky daylight at 7,500 degrees K and "horizon sunlight" at a color temperature of about 2,500 degrees K. Two samples matching under these two light sources are said, with few exceptions, to match under any light source.

There are two new Examolite types in six sizes available—twin and single channel enclosed units in the TC and SC series and open reflector models in the OR series of industrial type.

Representatives will be Ralph E. Meeker, sales manager, and Andrew Moore, technical representative.

Mettler Instrument Corp. (Booth 381). Laboratory Equipment. Scales and Balances for Dyeing and Finishing. Featured will be semi-automatic, direct

reading balances which operate on the substitution weighing principle. They are calibrated in grams, milligrams, pounds or grains.

The balances are especially designed for general analytical chemistry analysis, denier determination, direct cotton yarn number reading, tex unit reading and dye house weighing.

Of particular interest to the textile industry are: the H-23 C10/13 for yarn count, and the K-7 C8000g for dye weighing. Capacity of the latter is 8,000 grains and accuracy is cited as plus or minus 0.2 grains.

Mitsubishi International Corp. (Booth 1034). Preparatory and Spinning Machinery. As representatives for the Hiroshima, Japan, manufacturer, Mitsubishi, the corporation will highlight a pot type air spinning frame for worsted yarn.

The unit incorporates superhigh drafting equipment and pot winding equipment, and is said to be applicable to both wool and synthetic yarns.

The frame is described as possessing high spinning speed or a rotating pot speed of from (Continued on Page 41)

JOHNSTON MILLS COMPANY-

QUALITY COTTON YARNS

Single and Ply
CARDED COMBED *MERCERIZED

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Day in, day out, trouble-free, efficient, continuous production of exquisite tricot fabric, mill-proved in excess of 950 courses per minute, is only one of the many advantages provided by this improved model of the EXCENTRA tricot knitter. Its low and stream-lined design provides ready access to knitting elements. It permits the widest pattern range in virtually all commercially used yarns: 15 denier monofilament nylon — 40 denier unthrown nylon — all thrown nylon — Dacron — acetate, viscose.

Superb engineering such as a one-piece frame construction, crank-lever power transmission and precision-crafted parts greatly

minimize noise and vibration and completely eliminate distortion.

Beam flange diameters from 14" to 30" are suitable for use on the EXCENTRA. Unobstructed yarn path (on 42" centers) permits use of larger warps. All control instruments (take-up, let-off, production counter, speed indicator, etc.) are grouped compactly at pattern wheel end of machine. Standard equipment includes: Quick-stop mechanism — adjustable speed 3-phase motor — automatic yarn control signal — speed indicator — total production counter and predetermined electric shut-off counter.

- · Vibration-free single-unit welded steel frame, completely distortion-free.
- · Knitting motion actuated by eccentrics and crank levers. No cams, cam rollers or counter cams.
- · Knitting elements externally adjustable—for maximum convenience.
- Positive cloth take-up for all commercial tricot qualities and yields.
- · Automatic power-driven let-off with indicator lamps for accurate yarn control.
- · Tuck stitch control device supplied on request.
- · Automatic lubrication throughout—simplified maintenance.
- · Chain link or pattern wheel drive.

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NEW JERSEY

AN HONORED NAME IN TEXTILE MACHINES SINCE 1903.

16,000 to 18,000 r.p.m. and practically no end-breakage. The spinning tension when winding is ½ to 1/5 that of a ring spinning frame, and when rewinding starts the speed is lowered to prevent undue strain and consequent end-breakage.

The drafting and other highspeed revolving parts are supported by dust-proof ball or roller bearings. The driving mechanism is wholly enclosed within the gearing box of the frame.

Mount Hope Machine Co., Inc. (Booths 426-427). Ancillary Equipment for Dyeing, Drying and Finishing. A special display of the new Mount Hope skew-liner will highlight the firm's exhibit, which will also include a new automatic tension control adaptable to all machinery.

In the operation of the skewliner, the cloth is threaded through the unit and then the weft is properly aligned. Control adjustment is set at zero, and from that point the machine's detection mechanism operates automatically. Feeler rolls transmit filling distortion to warp threads, to be picked up by detector wheels. The detection unit triggers split-second action of the pivot roll.

The automatic tension control is said to protect textiles from tension troubles, wherever winding, unwinding, conveying or similar operations are being carried out.

Also to be shown are freewheeling expanders, floating roll guides, precision guiders, slack selvage eliminators and selvage uncurlers, web controllers, cloth opening equipment and cloth handling devices.

Representing the company will be: J. D. Robertson, president; John Robertson Jr., William Gallahue, Sam Moffitt, Homi Kapadia, director of overseas marketing, and other Mount Hope sales engineers.

Franz Mueller Maschinenfabrik (Booth 1037). Winding and Napping (Finishing) Equipment. American Mueller Corp., representing the West German firm, will exhibit a 36 roller TRI napper and a Type BITROMA high-speed yarn winder for winding cones and dye packages.

The napper is a high-speed raising machine with speeds up

to 50 yards per minute. The winder has variable speeds ranging from 255 to 1,600 yards per minute.

National Ring Traveler Co. (Booths 89 and 90). Accessory Equipment for Spinning and Twisting Machines. Representative styles and sizes of the company's ring travelers will be exhibited, with particular emphasis on the recently introduced plated or special finish travelers.

In attendance will be Frederic L. Chase Jr., president; Norman A. Jerome, superintendent; James T. Greenlaw, Eastern representative; L. E. Taylor, Southern manager, and H. B. Askew, T. Hill Ballard, Frank S. Beacham and Charles Fitts, Southern sales engineers.

National Vulcanized Fibre Co. (Booths 1231-1234). Accessory Devices for Spinning and Preparatory Equipment and Materials Handling Equipment. New Kennett materials handling equipment and Lestershire bobbins and spools will keynote the display.

Features will include two new Lestershire bobbins. A jack spool, the Lock-Eze, with a new head design, is designed for particular application in wool mills. A new large package twister bobbin with new Lock-Tite construction will be shown.

New materials handling items to be displayed in Kennett receptacles are: A Unilevel truck with load leveling mechanism, steaming box of polyester fiber glass panels, a collapsible box which folds down to six inches and a lightweight conveyor box designed for the Pfaff Varion transportation system.

Other items to be shown are mill boxes in a variety of sizes and colors, roving cans up to 18 inches in seamless construction and a number of boxes for specialized textile machine applications.

Representatives will be: E. B. Burnley, Kennett sales manager, and G. M. Hutchinson, sales manager for the Lestershire division.

New Departure Division of General Motors Corp. (Booths 127 and 128). Ball Bearings and Motors. The exhibit will encompass a wide assortment of various ball bearings in textile application and will include customers' machine components

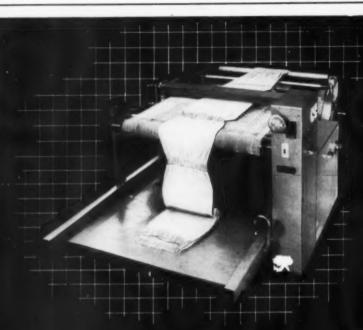
(Continued on Page 43)

"TAILOR-MADE" TO SUIT YOUR QUALITY NEEDS

Second to none Washable results in resin treated YARN DYED STRIPE fabrics that have no par elsewhere.

Representative with years of mill experience in knitted fabrics will deal with your specific requirements. 563 Greenwich Street, N. Y. C. Phone: ORegon 5-1357

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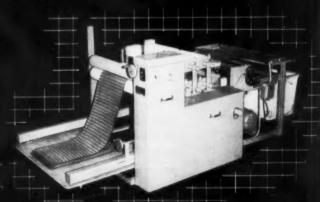
- Dimensional control through electronics.
- · Eliminates hand framing.
- Steams Orlon*, Wool, Nylon, Fur Blends or any other fibre natural or synthetic.
- Finishes yard goods too.
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FRAMER and STEAMER

THE DUAL-STEAMER For swimsuits, girdles and

bulky knits.

- Eliminates unnecessary handling on steam tables.
- · Controlled relaxed steaming
- Produces straight stripes and patterns.
- · Delivers either folded or rolled fabrics.



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Licensed agents and manufacturers: H. W. Butterworth & Sons Co., Bethayres, Pennsylvania.

MES

housing ball bearings.

Mechanisms to be covered include: Spindles, tension pulleys, sheaves, pick balls, let-off boxes, tube drive belt take-up pulleys, rotary unions and spindle belt idlers.

Newmark, Ltd., Louis (Booths 1336-1338). Ancillary Equipment and Controls. The British firm will introduce in this country electronic quality and production control equipment developed by the British Rayon Research Association and the British Wool Industries Research Association.

The display will include the MANRA warp tension balance the MANRA vibrascope, a MANRA electronic unit designed as a bridge amplifier; the MANRA strainometer; the MANRA yarn tension transducer; the MANRA yarn filament counter; and the WIRA fiber diagram machine.

W. T. Cowhig, senior physicist and head of the technological department of BRRA, will be at the booth. The firm is represented by Stellamcor, Inc.

John P. Nissen Jr. Co. (Booth 759). Accessory Equipment for Dyeing and Finishing Processing. On display will be writing tubes of dye-resist and bleachproof colors for permanent identification of textiles throughout finishing.

Norcross Corp. (Booth 469). Control Applications and Ancillary Equipment for Preparatory Machinery, Hydraulic Controls. The firm's complete line of Viscometers for process control applications in the textile industry will be exhibited. The display will contain measuring elements and receivers for recording or indicating with and without control or viscosity alarms.

Highlighting the exhibition will be the Norcross Sizeometer, described as a completely automatic system for preparing sizing in ½ the normal cooking time. The system incorporates a Viscometer to ensure that each finished batch is of the same viscosity.

O. M. Spinning Machine Mfg. Co., Ltd. (Booth 931). Spinning Machinery. O-M, a Japanese firm represented in North America by Edward S. Rudnick, will have on display sliver to yarn spinning frames; a high-speed drawing frame; the Ever-Even automatic feedback control for

drawing frames and pin drafters, and a Kanegafuchi auto-doffer in operation on one side of the latest model OM-S sliver to yarn spinning frame.

This will be the first public demonstration of the auto-doffer, said to be a completely automatic doffing device for spinning frames, twisters, etc. It eliminates the hand operation of doffing full bobbins and replacing empty ones. Its normal speed of travel along the frame is 25 feet per minute, with both a left-hand and right-hand doffing head traveling simultaneous. Thus full-length frames are completely doffed in less than two minutes.

The auto-doffer will be demonstrated in conjunction with O-M's automatic stop motions for the firm's spinning frames. With the use of the stop motions, frames are automatically stopped when bobbins are full and rails are lowered to the doffing position, and doffing automatically occurs. At the other end of the frame, the doffer automatically starts the spinning frame, utilizing O-M's automatic starting clutch.

The latest OM-S sliver to

yarn frames will be shown for spinning cotton and synthetics directly from drawing sliver. Latest features include O-M's automatic spindle speed regulating apparatus, automatic stop and rail lowering motion with doffing pilot lamp, automatic starting clutch, automatic lubrication and increased can and bobbin capacities.

The new O-M high-speed drawing frame will be unveiled at the ATMA exposition. It is claimed to be capable of productions exceeding 400 feet per minute and incorporates power driver sliver lifting creels, three sets of stop motion pilot lamps to pinpoint stoppage source, O-M's new suction cleaning system for all top and bottom rollers, and a completely new system of automatic can doffing. The last is especially valuable in conjunction with smaller OM-S spinning cans and permits as many cans as desired to be automatically fed on conveyor belts into each delivery and full cans moved away on rollers. A new system of cutting the sliver during the doffing operation is

also incorporated.
(Continued on Page 45)



FAWNTEX YARNS INC.

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— Woolen Spun — ORLON® ACRYLIC

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FUR BLENDS
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install a CUMMINGS-LANDAU WASHING UNIT

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To give your garments the soft "hand" they should have . . . you must WASHI And to provide real economy and satisfaction . . . you should wash in your own plant!

WITH A C-L KNIT GOODS WASHING UNIT . . . YOU CAN . . .

. . . Offer your customers a finer, more expensive-looking product —

. . . Vary the length and type of washing action to suit different yarns.

. . . Provide a pre-shrunk effect for your knit goods, thereby making it easier for the consumer to wash the garments at home.

... Save time — usually lost in having samples washed away from your plant. You'll know in no time at all whether your stitches have to be loosened or tightened. This way you can prevent your knitting machines from standing idle for any length of time.

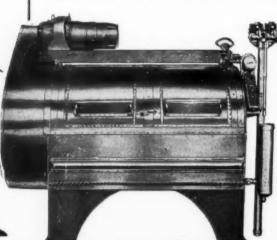
. . . Eliminate the bothersome chore of packing and unpacking knit goods.

CHECK THESE OUTSTANDING FEATURES

- Size, type and construction of washing unit to fit your volume and space requirements.
- Quality construction features to assure long life, maximum performance and lowest upkeep expense.
 - Extremely low consumption of water, cleanser and electric power.
 - Top grade stainless steel used in metal washers.
 - Machines occupy small space.
 - No special skill needed to operate equipment.
 - · Fully guaranteed as to workmanship and parts.

ALSO GUARANTEED REMANUFACTURED EQUIPMENT





Obey that urge — inquire about the C-L Washing Unit — Now!

OVER 35 YEARS
OF
MANUFACTURING
ENGINEERED
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THE C-L WASHER
IS THE INDUSTRY'S
ONLY WASHING
MACHINE WITH A
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CUMMINGS - LANDAU LAUNDRY MACHINERY CO., Inc.

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wer.

In the operation of the Evereven automatic feedback control for drawing frames and pin drafters the sliver from each delivery is continuously measured and integrated and the results fed back to instantaneously correct the draft on the machine to compensate for unevenness. This device will make its debut at the Atlantic City exhibition in conjunction with an O-M drawing frame. A chart is plotted for each drawing head for instantaneous observation and to serve as a continuous quality control guide.

Parks - Cramer Co. (Booths 564-573). Ancillary Equipment, Cleaning and Air-Conditioning. Parks-Cramer will exhibit its complete line of traveling cleaner equipment. The display will feature both blowing and vacuum units, as well as the Spin-SaVac and collection and Spin-SaCreel and certified climate systems for humidification and cooling.

B. F. Perkins & Sons, Inc. (Booths 163, 164, 169 and 170). Finishing Equipment. Among the units to be shown is a tworoll hydraulic Schreiner calen-dar for tricot. Top and bottom rolls are equipped with selfaligning roller bearings mounted in heavy steel housings equipped with automatic lubrication of all bearings. The forged steel top roll is of much larger diameter than regularly used in existing Shreiner calendars. The hydraulic pressure unit has built in controls and pressure gauges for ease of regulating pressures on each side of the calendar.

An adjustable let-off unit controls tension of cloth by air pressure and a constant tension wind-up unit is equipped with constant tension motor and electric controls. An off-nip drive for the bottom roll, electrically operated by automatic control, has a built-in over-running clutch to keep the bottom roll rotating when pressure is released or rolls separated.

Another highlight will be an automatic hydraulic power unit incorporating combination filter cap and oil level gauge, oil reservoir, and reservoir drain plugs, high pressure relief valve and high and low pressure pumps. It features a heavy gauge steel cover and cast iron base. The

motor is directly connected to hydraulic pumps by flexible coupling.

Proctor & Schwartz, Inc. (Booth 579). Preparatory Machinery, Drying and Finishing Equipment. Highlighted will be a new, more compact finishing range consisting of padder, float dryer, tenter dryer and rotary polymerizer.

The machines, which have been developed in conjunction with the firm's foreign affiliate, Artos Maschinenbau, will be set up in range as a typical installation.

The new Proctor padder is available in both two-and three-roll models for finishing, impregnating and dyeing fabrics of all fibers. Manual setting of the squeeze roll permits the most effective relative position for any padding operation. Rolls are interchangeable, cylindrically ground and hydraulically loaded for uniform pressure over the full roll width.

The float dryer will be demonstrated as a finishing predryer. It is also effective as an intermediate dryer, as a shrink dryer after bleaching, dyeing and printing and as a special dryer for velvets, plushes and heavily coated fabrics. Material passing through the dryer is airsupported, being carried and guided without mechanical conveyor devices.

The new Proctor universal tenter drys, cures or heat sets knitted or woven fabrics of natural or synthetic fibers and blends thereof. Improved air circulation and distribution permits a new high in drying uniformity, according to the firm, and capacity has been achieved in a more compact low head housing. Another feature is a new pin, clip or combination pin-clip tenter chain which gently handles and guides fabrics at high speeds.

Qualitex (Booths 1316, 1317, 1221 and 1222). Winding Equipment and Laboratory Apparatus. This Netherlands company will exhibit its Qualitester, an electronic yarn tester designed as a control instrument to give precise data on the number and kinds of spinning faults and of the regularity of yarn.

The machine has six spindles, each of which is fitted with a detector containing a gauging

condensor and cutting mechanism. Yarn runs freely between the two plates forming the condensor to avoid roughening of varn surface.

In application, abnormal mass - variations or spinning faults cause changes in the capacitance of the condensor and the detector transforms the changes into voltage variations. Voltage variations caused by abnormal mass variations are compared with those of normal mass-variations.

Robert Reiner, Inc. (Booth 1305-1307, 1331-1335, 1339 and 1340 and 1403-1407). Winding and Finishing Machinery. Highlighted equipment will be the Famatex high production single layer tenter; the Conorapid precision cross - winder; and the Schaffhouse rubber thread covering machine.

The tenter, produced by the German firm, Famatex G.m.b.H., is designed for the tentering, drying and heat setting of warp knit or woven cloth of natural and synthetic composition. It features low and compact housing with a total height of five feet five inches, which facilitates the operation of the frame. The air is blown into the fabric by nozzles from top and bottom over the entire width. Wide doors in each section permit easy inspection and maintenance. Screens filter out the fluff carried by the air stream.

There is also a top lifting device. The pin-clip chain glides on stripes of graphatized self-lubricating material. A new apparatus is incorporated for overfeeding and shrinking and is operated with an endless cog rubber belt. The tenter dryers are available either steam heated or gas fired.

The cross-winder offers an operating speed of 2,000 to 4,000 r.p.m., increasing the number of full packages obtained from 1.5 to three times normal practice. Despite the high revolutions of the yarn guide its traverse results in crossing ratios within normal requirements.

The rubber thread covering unit, a fast accelerating, high speed machine built by the Swiss firm of Schaffhouse, is available with 40 or more spindles. The Suma Model is useful for covering fine and very

fine rubber threads, including for swimwear application.

A new combination LIBA warper-beamer will also be shown for both knitting and weaving dimensions.

Riggs & Lombard, Inc. (Booths 266-273). Finishing and Shearing Machinery. The exhibit will represent the products of the firm; its subsidiary, Cook Machine Co., Inc.; and a division, Parks & Woolson Machine Co.

On display will be: a vibrator, to process all types of fabrics; a new high speed cotton shear; a shear for pile fabrics; a fulling mill with heat control; an automatic storage scray for straight line processing; and a compactor for the removal of relaxation shrinkage in fabrics and for providing surface effects. Various Hi-Glass fiber glass devices, including cloth trucks and pails, will be exhibited.

Roberts Co. (Booth 344). Preparatory and Spinning Equipment for Cotton and Worsted. The firm will exhibit three high-speed ball bearing Arrow spinning frames, the new Roberts-Tematex line of paradrafters, including an autoevener machine which levels delivered sliver weight to within plus or minus one percent and a new parablender which provides intimate melange blending of fibers. All five units will be in actual operation.

While retaining the basic concept of previous Arrow frames, the new units include such refinements as a simplified balloon control arrangement permitting higher speeds; a new double tape tension system which provides constant speed from spindle to spindle plus easy changing for reversing twist; completely enclosed base rails for lint exclusion and reduced cleaning, a new variable speed drive which permits speed adjustments while the frame is running; substantially wider spread feet for greater frame stability; and a new streamlined foot end arrangement which includes the suction cleaning collector box, motor control and drive guard and directs air flow over the motor.

The Arrow M-1 frame will be running various cotton and syn-(Continued on Page 47)

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thetic yarns. The Arrow WM-1 is a narrow worsted system frame, incorporating a new version of the PermaSet drafting system which can be run either as a four roll full control system or as a three roll adjustable system. The third Arrow frame, the WM-2, is a 36-inch worsted system machine described as suitable for coarser knitting yarns from a broad variety of synthetic fibers and wool.

Rodney Hunt Machine Co. (Booths 191-196). Dyeing and Bleaching Equipment. The company will display its newly designed rapid bleaching range for continuous open width bleaching and will run actual bleaching tests.

Also to be demonstrated is a newly designed padder incorporating a new roll and new pressure system for high extraction. A spreader roll based on an entirely new principle of operation will also be exhibited.

Saco-Lowell Shops (Booths 99 and 482). Preparatory, Spinning, Twisting and Finishing Machines and Accessory Equipment. Units to be exhibited by Saco-Lowell are: the Saco-Lowell SJ spinning frame with MagneDraft; the Saco-Lowell/Fleissner dryer; and the Saco-Lowell Davidson-Kennedy opener-blender-cleaner.

Schmidt Manufacturing Co. (Booths 646-648). Accessories, Parts and Supplies for Weaving Machines. The display will consist of the firm's latest developments and improvements on loom parts, accessories and supplies.

Schweitzer, Ltd. (Booth 1040). Cone Winding for Knitting Machinery and Winding Machines for Weaving Equipment. The firm, represented by the H. J. Theiler Corp., will show the following equipment for knitting and hosiery mills: the Varioconer cone winder for wool and cotton to unroll from hankryces and to unwind from cops, fitted with a dry-waxing device; a Vario-coner with yarn delivery arrangement to unroll dyed hanks of fully synthetic stretch yarn; a Monofil precision coner for the production of pineapple cones, to unwind from twisting bobbins and for handling fully synthetic yarns; and a Monofil coner with yarn delivery arranagement.

Scott Testers, Inc. (Booths

553 and 554). Laboratory Equipment and Yarn and Tire Cord Testing Machinery. Scott will demonstrate two new electronic testers: the new Model CRE constant rate of extension tester which incorporates inertialess electronic weighing and upward moving crosshead; and the Model IP-4 Scotamatic incline-plane tensile tester equipped for unattended yarn testing and digital recording.

Ernest Scragg & Sons, Ltd. (Booth 1425). Spinning Machinery. This British firm will introduce a new textured yarn process for the production of stabilized high-bulk polyester and polyamide modified filament yarns for knitted outerwear.

The process utilizes a new heat-setting technique and the yarn is produced by a high-speed single stage processing operation to provide uniformity of individual filament configuration. Yarns, fabrics and garments will be exhibited at the Scragg display.

Yarns produced by this process are said to possess completely non - torque physical properties combined with a covering capacity up to 50 percent greater than wool yarns of the same weight. In knitwear, preor post-boarding and thermosetting techniques are eliminated. Package-dyed yarns can be produced in a wide range of shades.

Other characteristics include softness, absorbency, resilience, minimum stretch and complete dimensional stability under wet treatments, with excellent dye affinity.

Sheffield Corp. (Booth 384). Ancillary Equipment and Testing Instruments. The firm's exhibit will include a new Neptel yarn imperfection counter, as well as three new Micronaire instruments, including a pocket-size model that needs no connection to an airline or compressor.

The pocket - size Micronaire contains a built-in scale for weighing cotton samples, a means for mechanically generating the air supply and a Micronaire scale and indicating column. As with other Micronaire instruments, fineness is indicated by the position of a small lightweight metal float in a glass column.

The new simplified Neptel electronic yarn imperfection counter automatically counts the number of such imperfections as neps, seed particles, small bits and trash and slubs in 50 yards of yarn in 30 seconds.

Simco Co. (Booths 610 and 611). Ancillary Equipment, Static Eliminators, Testing Equipment and Chemical Applications. Among the materials on display will be static eliminators for all types of textile machinery, including general purpose metal type static bars described as high efficiency neutralizers

Super service static bars are completely encased for minimum maintenance and are recommended for cards, garnettes, gill boxes, drawing frames and other areas where considerable fly is present. Shockless static bars are designed for use where a fire hazard may be present, as on cotton fabricating machines. Antistatic cleaning devices which incorporate air with static eliminator will also be on display

The Simco electrostatic locator, for use in analyzing static, is supplied with a calibration chart to determine voltage, in addition to the location of electrostatic charge and determining polarity. Simco will also demonstrate its Neutro-Stat, an anti-static material available in an aerosol can for application to machinery belts, padding or dipping.

A. E. Staley Manufacturing Co. (Booths 165-168). Converting equipment for Warp Sizing Materials. Highlighted will be the Staley high - temperature convertor, a system for preparing noncongealing warp sizes of reduced viscosity from unmodified corn starch paste.

Steele Canvas Basket Co., Inc. (Booth 293). Mill Equipment and Materials Handling. A range of canvas products will be exhibited by Steele, including baskets, trucks, hampers, bags and specialties.

Sterling Engineering & Manufacturing Co. (Booth 419). Materials Handling Equipment for Preparatory and Spinning Departments. Featured will be self stacking boards for the handling of bobbins, cones, tubes, quills, etc. They are made of cadmium plated and stainless steel.

Also to be shown will be aluminum quill boards and self stacking tube boards with a flexible holder for yarn shrinkage; and yarn handling trucks.

Tattersall & Holdsworth's (Booth 1334). Laboratory Equipment for Dye Firms. The Netherlands firm's small automatic dye jig for the dyeing of short pieces in the full width will be displayed by its United States agents, Ernest L. Frankl.

Manipulations of the small unit are similar to those of the company's full size jig. A feature is that recipes can be reproduced in the dye works. Heating is by steam or electricity, whereby the temperature is thermostatically controlled.

The automatic reversing mechanism includes an indicator to pre-set the required number of passages. A perforated steam coil has been provided for boiling purposes after dyeing.

Torrington Co. (Booth 48). Accessory Equipment and Knitting Machines. Products to be displayed include: bearings for textile machinery applications, drawn cup needle bearings, drawn cup roller bearings, needle thrust bearings and cam followers.

Tubular Textile Machinery Corp. (Booths 640 and 641). Preparatory, Drying and Finishing Machines for Knitted Fabrics. The exhibit will contain a demonstration model of the Tube-Tex Reelax-Jet Dryer for the slack drying of broad woven fabrics. The dryer display will include various controls for regulating the unit's temperature and fabric moisture content.

Specialized textile equipment to be shown will include: the Tube-Tex horizontal plane folder for high-speed fabric plaiting; the Tube-Tex twin V-belt 10 horsepower vari-speed pulley; the Tube-Tex inverted steamer; and the Tube-Tex single-stroke cutter for instantaneous fabric severing.

U. S. Textile Machine Co. (Booths 144-146 and 151-156). Twisting machines for Glass Fibers and Textured Yarns. Three prototype models will be demonstrated in actual operation. They are: Acme fiber glass tube-drive twister with power driven creel; the Acme S-wrap roll doubler-ring twister design-

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Textralized Yarn for

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prime producers of this remarkable yarn

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ed for plying fiber glass yarns; and the Acme texturizer, a single spindle laboratory unit counterpart of U.S. Textile's full size texturizing machine for processing Taslan yarns.

Uster Corp. (Booths 765-768). Preparatory Machinery for Weaving, Precision Control and Testing Equipment. The new Ustermatic warp tying machine made by this Swiss company will make its initial appearance at the ATMA exposition. It ties 600 knots per minute to an old or new warp with or without lease and features a redesigned and adaptable tying

Also on display will be: the latest model Uster evenness tester, together with integrator, spectograph and recorder; an automatic single end strength tester; a custom tension recordograph; and West Point fiber cohesion tester.

Walton Laboratories, Inc. (Booths 284 and 285). Ancillary Equipment and Humidifying Systems. Products in the display will include atomizers that may be used as space, spot, zone or boosters for all types of humidity problem. Models for duct installation and with accessory air filters are also avail-

Walton also offers several standard size web conditioners or web wetters.

Warner & Swasey Co. (Booth 135). Preparatory Machinery and Winders for Man-Made Fibers. Among the new units which the firm will introduce at the exhibition is a Servodrafter intersecting draw frame designed to produce high quality yarn in fewer operations by maintaining consistent yard-foryard sliver weight.

Also to be shown is the company's new self-contained ball doffer unit designed to wind, doff and resume winding a new ball without operator assistance.

The draw frame is applicable in all top making, drawing and precombing operations and retains the features and quality standards of previous pin drafter models. It provides the extra advantage of precise weight control, accurate within one per-cent, according to the firm. The machine, in a single draft, can correct input weight variations of as much as plus or minus 25 percent in wool and synthetic

(Continued on Page 51)

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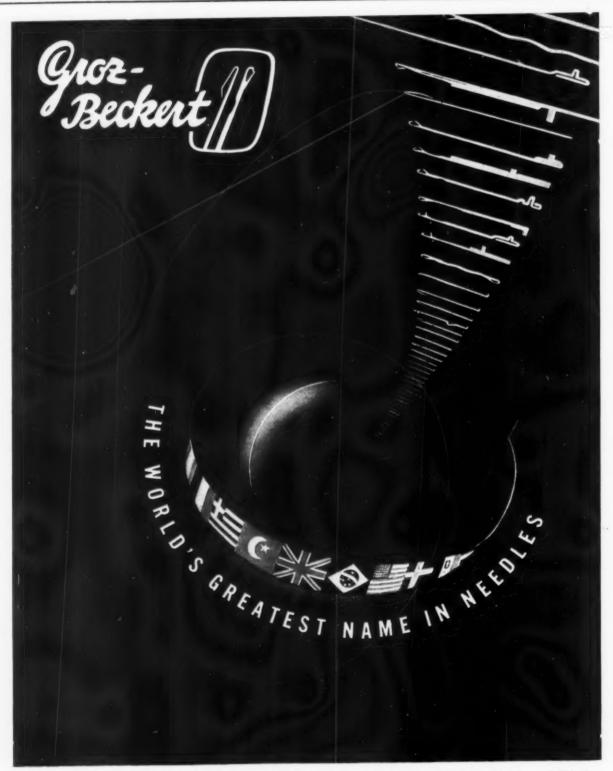
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A combination hydraulic and mechanical system is used for measuring and control. The system incorporates a pair of mating mechanical rollers between which each yard of entering stock passes enroute to the faller Variations in thickness cause variations in roller separations which are transmitted mechanically to a rotating memory wheel. Precision ground pins are automatically positioned around the circumference of the memory wheel to correspond to the pattern of roller separation produced by passage of the entering stock.

The memory wheel pins are read and cleared at one point in the arc to provide the required time delay. A hydraulic servo translate pin position variations into faller bar operating speed changes to achieve consistent yard - for - yard sliver weight.

Werner Textile Consultants (Booths 612-614). Textile Management Consulting Service. The exhibit will graphically depict the major areas of the firm's activities in management, manufacturing, marketing, industrial relations, administrative methods, research and development.

Wilson & Longbottom, Ltd. (Booth 1432). Cop Winding and Weaving Machines. Shown by this Great Britain company will be its latest type of double shuttle face to face Wilton and velvet carpet loom, incorporating comprehensive stop motions; large diameter beams with side loading arrangement for the inside bottom beam to facilitate quick beam changing; new positive heddle connections to the underside of the heald frames only with single point adjustment for fixing the shed angle; and positive pile feed delivery motion.

Winsor & Jerauld Manufacturing Co., Inc. (Booth 107). Accessories for Finishing Machinery. On display will be the firm's T-5 heavy duty wide rail high speed tenter frame, equipped with the firm's 12M patented high speed roller clips. A complete line of tenter clips will also be displayed.

Woonsocket Napping Machinery Co. (Booth 138). Nap-ping machines for knitted and woven goods. Included in the exhibit will be a new machine developed to step up the production of knitted simulated fur cloth linings.

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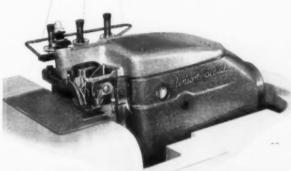
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Style 39500Y is for seaming and trimming light to mediumheavy weight, loosely knitted, cotton, wool or synthetic fabrics used for sweaters, bathing suits, jackets, and other knitted outerwear. It is especially designed with ample differential feed action to handle stretchy, loosely knit materials. Standard width of bite is 1/8"-stitch range 8 to 20 per inch.

Style 39500 AA, may be used for plain seaming and trimming or for seaming, trimming, and simultaneously applying a reinforcing tape, as in shoulder seams of sweaters. A slot in the presser foot automatically guides the tape. Style 39500 AA is specially built to handle bulky knit materials. Standard width of bite is 5/32"—stitch range 8 to 20 per inch. Let us give you complete information. UNION SPECIAL MACHINE COMPANY, 405 N. Franklin St., Chicago 10, Illinois.

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Students who attend the world-famous textile schools are eager to learn the fundamentals of knitting. These technicians of tomorrow will soon see that the STOLL Flat Knitting Machines distinguish themselves as the leader in the industry.

Some of the most popular STOLL Machines for the American market for fancy collars and trimmings are:

TYPE AJUM—Double jacquard and transfer machine.

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Ladies' & Misses'

Fall Knits Sell In Strong Depth At Boston Mart

BOSTON, Mass.-A surprising number of fall lines was exhibited at the Women's Apparel Club showing from April 3 to 6 at the Parker House, here. Mingled with summer cottons were napped and sheared Orlon and mohair and wool blend pullovers, which are expected to be particularly strong for fall. Double collar effects were especially pronounced.

Helen Harper sweaters are designed to coordinate with plaid and checked skirts, Capri pants and Bermuda shorts. Napped and sheared sweaters, grouped under the Velura name. are offered in five new shades this year—dynasty gold, regal purple, tiara green, monarch blue and corsair taupe.

In addition to these shades, 13 new overdyes are used to give the garments an earthy tone or heatherish effect which appears

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to be the coming thing for fall. Women's fall lines also show a great variety of styling in the complicated patterns used only on conventional or classic styles a year ago.

Neckline Novelty

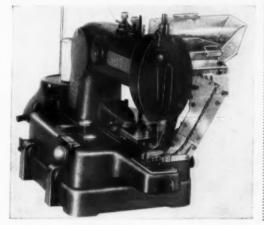
This approach is most pronounced in Helen Harper neckline treatments.

One sweater has a boat neck with a two-inch turn down and a one-inch edging. It crosses over in front, where two tabs are fastened with a one-button clasp.

Another of these styles has a wide sewn on yoke with a double shallow mock turtle fastened in front by two matching buttons. It comes in the taupe, gold, Wedgewood blue, Picasso green, Coronet blue, white and black.

One of the Helen Harper bulkies has three inch panels extending front and back with rick rack cable stitching separated by rick rack ribbing. A cardigan is of loosely twisted cabling and rick rack stitching mounted on a deep yoke of twisted cabling. The yoke folds into a Peter Pan collar. Ties with

(Continued on Page 55)



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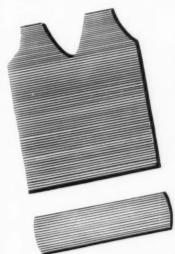
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pom pon ends attach to the shoulders and can be drawn under the collar.

The line includes a six button bulky mohair cardigan with shoulder wide collar and full length sleeves that was knit in Italy by hand on size 15 needles. It comes in lady's blue, palm green. Degas red, white taupe and purple.

Angora Blend

Helen Harper offers a pullover in 70 percent lamb's wool, 20 percent angora and 10 percent nylon. Raised ribbing runs horizontally and a twisted cable edges the hem. A pom pon is set at the V of the modified shawl collar.

Orlon has been used extensively by Rosanna Knit Sportswear for the summer. Jack Shaw, representing the line, said that there was a good deal of interest in a waistlength Chanel jacket trimmed with three bone buttons and edged around the notched collar, down the front and on the cuffs and hem. On a white body, the trim is navy or beige; white is used on navy.

Rosanna offers lacey, lightweight zephyr wool cardigans for sizes 34 to 40. They have long sleeves and low V-necks above three-button closures. Colors are violet, maize, beige, mist green and black.

Orlon Cantrece Jackets

This firm is also using Orlon Cantrece in full-fashioned tuxedo styled jackets with onebutton fastenings at the waist and long raglan sleeves. Fine horizontal ribbing is used on the long front which has a double breasted effect. White and black are the color possibilities.

A striking five-button Rosanna cardigan is of brushed Orlon. Panels of yellow and gray on white decorate the front. The same motif is repeated on the cuffs. The collar is a miniature shawl. Other color combinations are shrimp, light blue, purple, mist green or aqua and gray; and red and navy.

Henry Forman, of Dormont Knit, said that he found summer business brisk in flat knit cotton interlock pullovers with elaborate screen print motifs. They have three-quarter sleeves, boat necks and side vents. Designs include tourist scenes, abstractions and plantation effects in

(Continued on Page 57)

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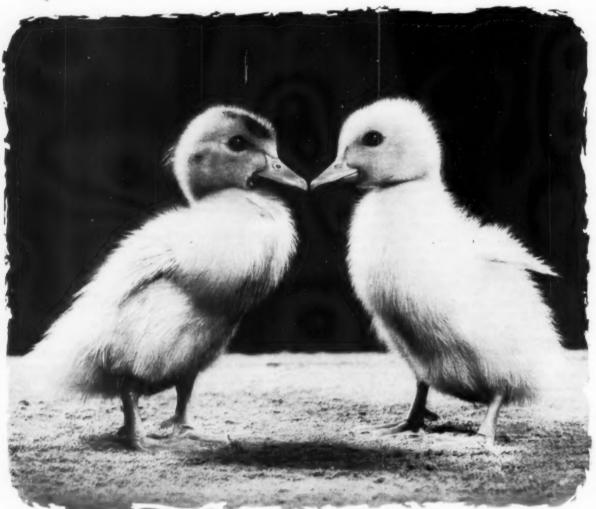
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Strike a more resounding sales note with fur blends that meet their match mates in complete color accord! Keystone's new fur blend dyeing process gives maximum loft and hand. Write, phone or send samples for processing . . . your inquiry will get fast, personal attention.

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blue and aqua or rust and gold on white. The shirts mate with the firm's line of California deck pants in the predominating shades of the prints.

Poncho Pullover

Dormont was also doing well in Boston with poncho pullovers which come to a point at the hemline. They have boat necklines, three-button plackets and short sleeves. Colors are white, black, chino, willow green, orangle, turquoise, navy pink, blue, beige, gold, red and nougat.

Mr. Forman said that business was also good in two cropped tops. One has patch pockets, a modified scoop neck and side vents. Half of the garment is pin striped and has a solid pocket while the other half reverses the treatment.

In addition to showing the Brilliant Swimwear line, Bob Lurie displayed a range of full-fashioned fall Orlon sweaters by Designers Knitting Mills in sizes 34 to 40. They come in stone green, slate blue, gold and black. Particularly well received is a scoop neck bulky with diagonally ribbed collar which comes to a point and is trimmed with a single large pearl button.

Floral Cotton Duo

One novel Brilliant cotton swim suit and jacket combination is selling very well in a floral print of rose, saffron, loden green and white. The suit has loose boy legs, a three tier ruffle bodice and figure molding four panel front with shirring at the sides above the waist. It also comes in prints featuring brown and blue or green and white.

Bradley Knitwear, known as a manufacturer of dresses and suits, plans to go in more extensively for sweaters and sportswear this fall. The company is specializing in the matching of plaid skirts with the predominating sweater colors. To achieve this, Bradley is booking orders on a "color log" which may be put through an IBM machine to expedite the simultaneous delivery of sweaters with corresponding jackets, skirts, slacks and vests.

Bradley is using Orlon, wool and wool and mohair blends in brushed and napped and sheared treatments for fall. A two-piece outfit in sizes 10 to 18 consist-(Continued on Page 59)



Daniel R. Strauss

President Himalaya Knitwear Co., Inc. Originators of Aussie Brook Knitted Leisurewear.

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The answer is simple. Different types of yarns have different characteristics. For some end uses, you're looking for maximum bulk; for others you want maximum softness—and for still others, you want the brightest, whitest white you can get in wool. And certain wools blend better than others with the popular specialty fibers, such as Alpaca or Mohair.

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IMES

ing of a jacket and skirt is offered in zephyr chenille in solid shades of red, white, black, camel and aqua. The waistlength jacket is trimmed with two rows of eight, octagon shaped buttons and a crest embroidered in black and silver metallic threads and pearl beads. A johnny collar and three-quarter sleeves com-plete the jacket. The skirt has an elasticized waist.

Plush Double-Breasted Knit

Double-breasted napped and sheared Orlon cardigans are available in sizes 34 to 40 with bulky ribbed shawl collars and three-quarter sleeves. Colors are white, blue, green, black, gold red and camel.

Jim Berger, representing Bradley, explained that pull-overs dominate the fall line. Cardigans, he noted, were popular summer items. Illustrating the fall trend is a brushed Orlon slipover with high lapped Vneckline trimmed with diagonal ribbing. Stripes circle the sweater. Color combinations include a heather green shoulder yoke with white and black stripes against a gold body; camel and blue or oxford and red, both

with white.

Herald Knitwear has gone in heavily for fall pullovers with exaggerated collars in a blend of 30 percent mohair and 70 percent wool. A cardigan effect is suggested in one such number with three inch ribbing and a button trimmed placket. A deep cowl collar sparks another pullover.

There is also a line of rounded shawl collar coat sweaters in blue, green, brown, gold, sandstone, plum, caramel, camel, melange and parfait. They are designed to blend with tweed skirts and slacks.

February Shipments Of Ladies' Sweaters Down

WASHINGTON, D. C. -February shipments of women's, misses' and juniors' sweaters totaled 294,000 dozens, according to Commerce Department reports.

The February figure represents a nine percent drop from January, when 323,000 dozens were moved, and a seven percent decrease from February of last year, when shipments totaled 315,000 dozens.

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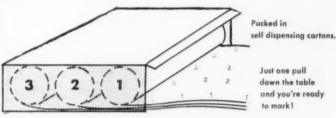
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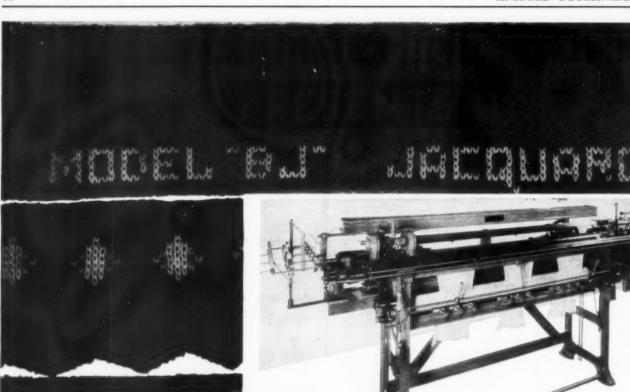


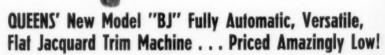


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Because the knitwear industry wants fancier collars and trims for full fashioned and cut and sewn knitwear, Queens has developed this advanced design machine for the production of multi-colored and fancy stitch patterns.

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 With all re-usable metal "cards" and snapper plugs.
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 - Micro-switch actuating safety carriage drive to protect against excessive needle breakage. Choice of two fine fabric take-up systems.

 - Exceptionally rigid base. Needle beds of top quality steel developed for us by metallurgists of one of the largest U. S. steel mills and accurately produced on the latest type of automatic equipment.
 - Now with multiple rack up to 10 needles.
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 - Investigate the advantages of these and other "Queens" models today. We offer the industry's most complete line of flat knitting machinery. Your inquiries are invited.

High and low butt needles on front and back beds.

Short carriage construction and more rigid mounting with anti-friction ball and

The variable pitch "V" belt drive fully permits simple adjustment for maximum production and an automatic dual speed drive available as a low cost accessory further improves production by permitting maximum speed with automatic slow-down for only the more difficult to knit positions such as extremely loose slack

or topping courses required by the full fashion trade.

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Four stitch settings.

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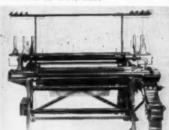
(Continued from Page 1) Vescio, manager of apparel merchandising for the fibers division of American Cyanamid Company, "New Possibilities in Creslan"; Kenneth J. Rupprecht, development manager of the Lastex division of United States Rubber Company, "Vyrenethe new Elastomer and Its Uses in the Industry"; Frank Cooper, field service group leader for the Ban-Lon Division of Joseph Bancroft & Sons Co., "Innovations in Ban-Lon for Knitted Outerwear"; Jerome B. Edelman, sweater and knitwear specialist for the Chemstrand Corp., "The Range of New Potentialities in Knitting Acrilan," and Victor J. Lombardi, product development, Scott & Williams, Inc., "Paper Yarns and Their Use in Knitting."

Developments in DuPont fibers applicable to the industry will be presented by a team of six speakers, headed by Kenneth Bass, women's outerwear, marketing services, E. I. DuPont de Nemours & Co., Inc.

The DuPont speakers will include: Collins Thompson, products division, "New Fiber Developments"; J. C. Hoscheit, Orlon technical service, "Product Improvement"; Lee Bidgood, dyeing and finishing technical service, "New Techniques in the Dyeing and Finishing of Orlon"; D. F. Pollock, men's outerwear, marketing service, "New Style Trends in Knitted Outerwear," and G. B. Lewis, assistant director, advertising and promotion, marketing services, "New Angles in Product Presentation."

Fabric Session

Participating in the afternoon session on knitted fabric developments will be: Kenneth D. Houser, technical service, textile fibers, DuPont, "Techniques for Napping and Shearing of Knitted Fabrics"; Lombardi, product development, Scott & Williams, Inc., Prospects in Knitted Pile Fabric"; Herman B. Goldstein, Warwick Chemical Division of Sun Chemical Corp., "Finishing Knitted Fabric," and Frank Lesser, product and sales manager of the Curon division of Reeves Brothers, Inc., "Laminating Knitted Fabrics."



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information, contact your source of supply or write Everglaze Marketing Division, P. O. Box 189, Wilmington 99, Delaware.

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For your protection, all fabrics and garments which carry the famous "Ban-Lon" trademark must undergo and pass rigid tests for quality and performance

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Nation-Wide Marketing Program

Trained marketing personnel visit stores throughout the country regularly to acquaint merchandise managers, buyers, and sales personnel with the unique advantages of "Ban-Lon" fabrics and fashions, as well as with the latest developments

Unique "Ban-Lon" **Properties**

The permanent crimp in the "Textralized" yarn assures:

- · soft, luxurious hand
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 - remarkable absorbency
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"Everglaze" Marketing Division, Wilmington, Delaware, supervises the international merchandising of products approved to carry the Joseph Bancroft & Sons Co. trademarks "Ban-Lon" and/or "Everglaze".

MES

Banquet Set For Thursday Evening

(Continued from Page 1)

Carthy. In electing him, the Wisconsin voters gave him the distinction of being the first Democrat sent to the U.S. Senate from that state in 25 years. He entered politics in 1950 as a State Assemblyman.

The banquet will conclude with a program of entertainment featuring acts from leading Broadway musicals and night spots and featuring prominent radio and TV entertainers. Alan King, popular TV comedian, will be master of ceremonies.

The banquet committee is headed by Morris J. Soloman, Davis Yarn Company and Ben Wilson, Ben Wilson Co., cochairman. Other members of the committee include Sol Freeman, Brownie Knitting Mills; Irving Louis, Irwill Knitwear Corp.; Barnet Lerner, Blume Knitwear, Inc.; Milton Davis, Wooly Togs Knitwear Co.; Sim Gluckson, Sunrise Knitwear Co.; Harold Robins, May Knitting Co., Inc.; Albert A. Charney, Cornish Knit Goods Mfg. Corp.; Bennett M. Berman, Federal Yarn

Corp.; Al Weinberg, Banner Yarn Dyeing Corp.; Irving Sussman, Sussman Yarn Co.; Bud Wilson, Ben Wilson Co.; Reuben Polansky, Youtheraft Knitting Co., Inc.

Also included are David Aronow, Lee Knitwear Corp.; Albert Beldoch, Beldoch Popper Co.; Israel M. Cohen, Suffolk Knitting Mills; Elliot Dennis, Central Knitwear Corp.; Richard Fishel, Standard Knitting Mills; Peter Freund, Jr., Peter Freund Knitting Mills; Herman Heller, Herman Heller; Max Jaffe, Sylvan Knitting Mills; Edwin Kalfahs, Jersild Knitting Co.; Martin Kamp, New York Knitting Mills; Benjamin Kaplan, Mayflower Knitting Mills; Moe J. Kasper, Central Knitwear Co.; Arthur Lichenstein, Franklin Sweater Mills; J. Gilbert Macort, Kent Manufacturing Co.

Also Leonard R. Michelson. Merriwether Knitwear Ltd.; John Miller, Catalina, Inc.; Sidney Mishcon, Supreme Knitting Machine Co.; Stanley Naroff, Chevy Chase Knitwear Mills; David Pauker, Pauker Bros.; Morris Philip, Philip Knitting Mills; Mac Rothkopf, Mac Rothkopf; and Edwin Scholz, Rudolph Knitting Mills.

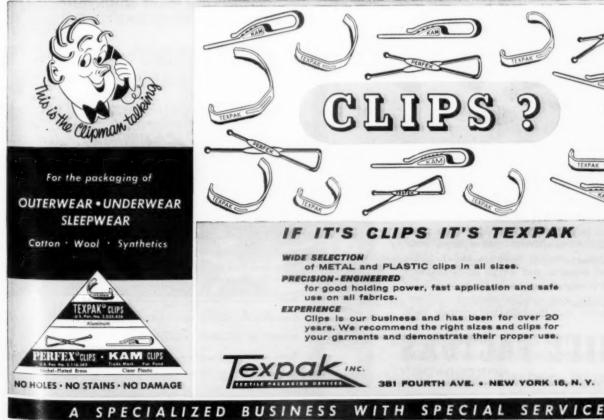


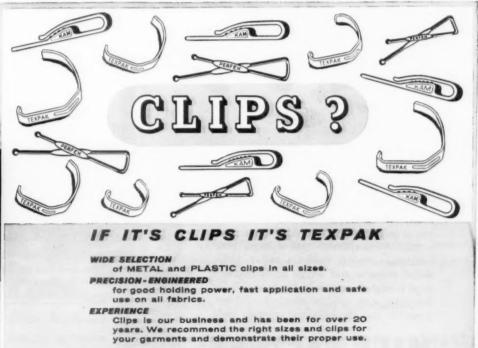
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Mill News

MAY 2, 1960

Henry Schwarz On Staff Of Malden Knitting Mills

MALDEN, Mass. — Henry Schwarz has joined Malden Knitting Mills, here, as merchandise manager and stylist. He will make his headquarters in the company's New York office at 450 Seventh Avenue but will divide his time between the mill here and the office in New York. Mr. Schwarz was formerly stylist and production manager for Pauker Bros.

Robert A. Burk Joins Glen Raven Knitting Mills

Robert A. Burk has joined Glen Raven Knitting Mills, Inc., as marketing manager of hosiery sales and as assistant to James P. Kinard, vice president and director of sales. Burk's position is newly created.

Before joining Glen Raven, Burk was with Marum Knitting Mills, Inc. for two years as merchandising manager. Before that he was with Dupont, for five years, as a merchandising representative.



HENRY SCHWARZ

Glen Raven Mills, with sales headquarters located at 1430 Broadway, has a total of eight plants in North Carolina and California producing filament, spun, tricot and awning fabrics, sale yarn, nylon hosiery, tights and "panti-hose."

Finetone At Larger Site

Finetone Knitting Mills, Inc., formerly of 772 Pacific St., Brooklyn, has moved to new and larger quarters at 248-254 Flushing Ave., Brooklyn, N.Y.



When it comes to pulling rabbits out of a hat in the dyeing of ORLON®, ACRILAN®, TEXTURED NYLON or any SYNTHETIC in blends and novelties, we know every trick in this fine art. That's why some of America's leading firms come to Dyecraftsmen. They know we conjure up colors that beguile the eye and open purses.

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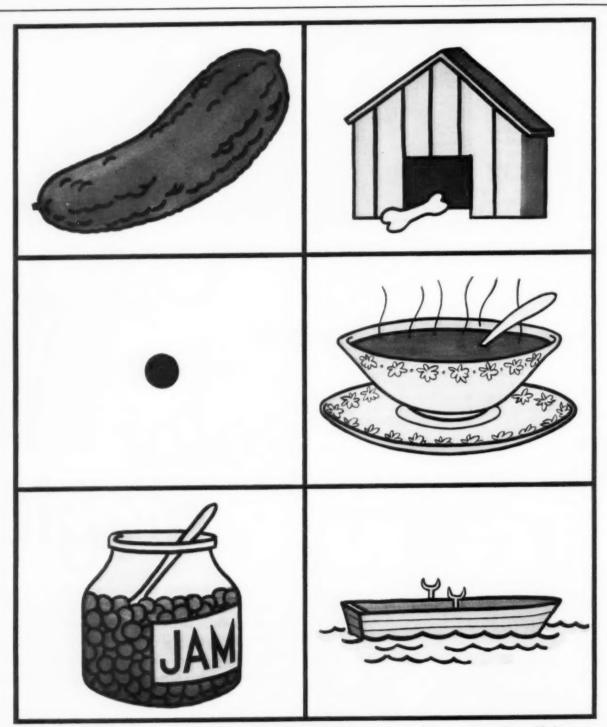
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Waste Dealers

G & N Wool Clips Move Into Own, Larger Bldg.

G & N Wool Clips, dealer in knitted outerwear waste clips, has moved into its own building at 55-17 Flushing Avenue, Maspeth, N. Y. The company was formerly located at 139 Madison Street, New York City.

In addition to new equipment, G & N has increased efficiency in its receiving, sorting, baling and shipping departments, according to Irv Newhouse, owner.

Mill News

Thurman Manufacturing Expands Mill Facilities

PHILADELPHIA, Pa. -Thurman Manufacturing Co., manufacturer of Rob Scot men's sweaters, has expanded its production facilities with the addition of new Wildman Jacquard knitting machines and Stoll trim units and installation of a complete sweater washing plant.

The new wash plant is located in a two-story building adjoining the main four-story plant Thurman has occupied since the firm

was founded in 1846. The annex also houses the boiler rooms.

Addition of the new machinery and the wash plant was necessitated by "a tremendous increase" in demand for its sweaters, Robert Levison and David Rubin, executives of the firm, said. They reported Thurman currently has more than double the volume of business booked than it had at the same time last year and that the plant is in peak production and operating around the clock.

Extension Until May 9 Given Shelley Knitting

PHILADELPHIA, Pa.—An extension until May 9 has been granted for Shelley Knitting Mills, Inc., and its affiliate, Shelley Sportswear, Inc., to file Chapter XI schedules, by Referee Thomas J. Curtin. A hearing on the schedules had been set for April 20 previously.

Efficient Methods Basic At Herbert Mills' Plant

(Continued from Page 11) office in New York City which is operated as Herbert Mills Associates. His office, shared by his son, Lesley W. Levy, overlooks (Continued on Page 69)

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the sewing room and contains racks that hold several dozen different garments.

The entire production of the mill is sold exclusively by the sales organization, Herbert Mills Associates, at 112 West 34th Street, New York City, under the direction of Charles B. Kelly, vice president. Cary C. Boshamer and Herbert S. Levy are also officers in this sales corporation.

How Melville Solves Inventory Problems

(Continued from Page 17) store sends in either the second part of a two-part stub or, what is more widely practiced and has proven more efficient, a complete weekly report sheet indicating not only the number of sweaters sold but style, color and size.

In this way, Melville is guided as to the quantity of goods of what type it needs ship to the store to replenish its stock to the advantage of both. In addition, the extra step of the store reporting to its central office, which in turn must order from Melville, is avoided. An additional benefit is that the detailed data on the report sheet

eliminates the possibility of human error resulting when a large number of sweaters in a specific style, for example, is still on retailer shelves, but not in the sizes or colors most in demand.

By assuming this actual merchandising duty, Melville also gears the stores' stock on hand to meet the stepped-up demand of a heightened sweater selling period, such as the back-to-school season, and steps down its stock during slower times. The goal of the program is, of course, to sell more sweaters by seeing that they are available to consumers when the demand exists.

Melville also maintains a comprehensive inventory control set-up on each of the styles it produces per season, which may run as high as 25 to 30 designs. Each style is dealt with in a separate book and further broken down in terms of size, color, source of yarn and yarn lot, and who has contracted to make the garment.

Individual styles are entered as they are given out to be made, and complementary entries indicate how many of each item

(Continued on Next Page)

WHY FINE FIRMS FACTOR WITH

William ISELIN & Co., Inc.)

Especially under the conditions existing in the present money market, the knitted outerwear manufacturer arranging th financing of his highly seasonal business must insist on the same great productivity from his fiscal programs that he looks for in his plant and equipment.

For maximum profits in the knitted outerwear industry today, high-efficiency, financing is as essential as the new multifeed machines and the new yarns they feed on.

Factoring with William Iselin & Co., Inc., brings the same high efficiency to your financial operations that you demand in your knitting room.

Effective managements rely on Iselinsupported financial programs to gain all these indispensable elements of maximum-profit operation in the knitted outerwear industry:

- Accelerated working capital turnover that makes your present funds sufficient to support a much larger sales volume, even when you offer seasonal dating.
- Credit guarantee that lets you accept exposures you would find imprudent to carry at your own risk.
- ▶ Cash when you need it...to buy yarn advantageously...to work with designers...to make a wide sample line...to promote the numbers that hit...to package them attractively.
- Special financing for machinery purchases and plant expansion.
- Financing services based on specialists' knowledge, from a house that has served knitted outerwear manufacturers, their customers and suppliers since 1808.

Knitted outerwear manufacturers use Iselin financial services to help themselves obtain a higher net return on their capital than their industry averages as a whole.

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have been sold and how many have been received each day from the contractor. In this way, merchandise received daily can easily be allocated to orders awaiting shipment, also balancing orders which have already been partially filled from inven-

Primarily Melville produces synthetic fiber sweaters, with Orlon by far the dominant fiber utilized. Some Ban-Lon is also used. In the natural yarn array, the company has worked with some cotton knits and at various times has made wool sweaters available.

Sweaters Offered

Currently, a good deal of emphasis is on classics, brushed sweaters and bulkies. Classics are done in up to 15 colors, while fine-gauge dressmakers and bulkies are generally provided in five or six colors. In addition to a range of misses' sweaters in sizes 34 to 40, Melville offers extra sizes 42 to 50, and girls' and teens' numbers in a 7 to 14 range.

Some 16,000 square feet, or four-fifths of the building, are devoted to actual plant area.

There are a minimum of columns or obstructions to the wide open totally glass-enclosed perimeter of the building, and maximum light and cross ventilation are obtained. Currently, the offices are air-conditioned, and Melville plans to air-condition and humidify the basic plant throughout once the needs of the new facility are determined.

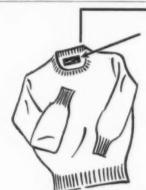
Lending to the open, unconfined atmosphere of the Melville plant is the absence of other surrounding structures. The site is bordered by Idlewild Airport and the Rockaway Turnpike. The proximity of the former, Mr. Haupt noted, has contributed to the ease with which the company is able to ship goods

by air express.

Informal Sales Set-Up

While maintaining its New York City showroom, Melville has incorporated a uniquely practical and informal sales area in the executive office, where buyers and merchandising people from large retail syndicates may gather comfortably.

The Itkind people, who designed the general and private (Continued on Next Page)



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on FINISHED garments—just like handwork NO stitches show on right side of garment

STYLE 160-20 BLINDSTITCH TACKING MACHINE

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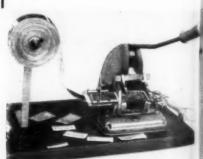
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offices, decorated Mr. Haupt's 17 by 25 foot office at the southeast corner of the building so that it contains the usual desk and working areas plus a conversational grouping at the far end of the room with couch and chairs. Here visitors may view a display of currently offered sweaters in a casual, unharried atmosphere.

In addition to the usual, modern employee provisions, including a lunchroom, Melville has provided its help with refrigeration and cooking facilities. All of the company's employees have made the shift.

Synthetic Yarns

Acetate, Rayon Shipments Ahead

United States producers shipped 19,700,000 pounds of acetate yarn in March, four percent over February. Shipments during the first quarter this year at 56,800,000 pounds were three percent above those of the same 1959 period.

March rayon shipments at 65,400,000 pounds were two percent above February. The

March total of acetate varn plus rayon at 85,100,000 pounds comprised 82,800,000 for domestic consumers and 2,300,000 pounds for export.

Shipments of high tenacity rayon yarn during March at 26,300,000 pounds were four percent above February. But January-March shipments at 78,700,000 pounds were four percent below those of the first quarter of 1959.

Regular plus intermediate tenacity rayon yarn deliveries in March at 12,500,000 pounds were slightly above February. Shipments of 37,500,000 pounds in the first quarter this year were 16 percent below the same period of 1959.

Rayon staple plus tow shipments last month totaled 26,600,000 pounds, a small increase over the February level. The 81,600,000 pounds of this fiber shipped in the first quarter were 11 percent lower than those of the same period one year ago.

Shipments of the cellulosic fibers, except acetate staple plus tow, in March were 5,500,000 pounds less than production. Thus producers' stock rose by a like amount to 115,100,000 lbs.

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CHARLOTTE PHILA. Carmel Park EM 6-2422 LO 3-7676 **Textured Yarns**

Package Dyed Crimped Yarn

WILMINGTON, Del.—Development of a new versatile machine to produce package-dyed crimped yarn was announced by Joseph Bancroft & Sons Co., owners of the Ban-Lon and Textralized trademarks. Known as the Model 88 or core crimper, the apparatus is expected to substantially expand the Bancroft program of Ban-Lon

fabrics and garments. Bancroft officials say the machine makes possible such striking textile advances as package-dyeing of crimped yarn, maintenance of high bulk level, and the possibility of crimping a much wider variety of fibers and filaments.

Designed by Bancroft engineers and produced under their direction by the Foster Machine Company, the Model 88 crimpers are now being subjected to practical in-plant commercial application on a field-test basis.

Experimental units of the equipment have been shipped to many of the company's yarn licensees. Meanwhile, a shakedown is underway to finalize the design of the production ma-

One of the immediate important advantages of the development, according to Bancroft

technicians, lies in a method of operation that makes packagedyed crimped yarns available for the first time in the industry. Up to now, modified filament yarns of this type were either skein or muff dyed. Package dveing in this case is more efficient than skein dyeing or muff dyeing, and is preferred for its better uniformity of both dye and yarn, as well as for its versatility and for the handling of larger dye lots. However, package-dyed yarns previously were impossible to produce because of the extremely high loss of bulk in the yarn which resulted from this method of dyeing.

By eliminating this loss of bulk, the Model 88 crimper will enable Bancroft licensees to package-dye Textralized yarns

(Continued on Next Page)





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and still maintain the desired bulk level. The degree of bulk attained in experiments so far has been extremely high.

The company reports that the results of package dyeing which the crimper makes possible are very encouraging, even at this early stage. Jacquard patterns show up amazingly sharp and clear, in well-defined patterns. Single-color fabrics appear clear and uniform, with a satisfying depth.

While Bancroft technicians concede that the machine has not yet been perfected to the degree that assures maximum efficiency, they are quite enthused over its present performance and future potential. Beyond the crimping and dyeing of continuous filament yarns, they see many other possible uses for the equipment in the near future.

At present, Bancroft is setting up a training course in its Wilmington plant for the purpose of imparting detailed instruction in the basic functions, operation and possibilities of the new crimper. Company licensees all over the country have been invited to enroll as many persons as they wish in this training course.

Obituaries

Benjamin Bearnot, 75; A Founder Of Regal

Benjamin Bearnot, one of the founders of the Regal Knitwear Co., died on April 21 at the age of 75.

Due to illness, Mr. Bearnot retired from active participation in the Regal Knitwear Company in 1942, though he remained an honorary director of the company for the next 12 years. A Mason of the 32nd degree, he had spent the remaining years of his life in family guidance and philanthropic endeavors.

Mr. Bearnot immigrated from Russia to the United States at the age of seven, and seven years later entered into the leather finding business in New York City. He retired from business in 1917. In 1921 he joined with Harris Israel, his father-in-law, and David and Julius Israel, his brothers-in-law, to found the Regal Knitwear Company, one of America's leading infants' and children's knitwear firms.

Surviving are his widow, Mrs. Anna Israel Bearnot; a daughter, Mrs. N. Sheiman; a son Harold; and six grandchildren.

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Office equipment Sewing machine needles and shears . Hand and power tools . . . Bundle 71 NORTH 6TH ST. ties . Knitting brushes BROOKLYN 11, N. Y. guides Knitting springs . . STagg 2-7929-30 tags, pens and markers.

Men's Wear

Newman To Survey European Styles

PHILADELPHIA, Pa.-Harold L. Neuman, president of Robert Bruce, Inc., makers of sweaters, knitted shirts, beachwear and swimwear for men, boys and juveniles, will leave by plane on May 14 for a monthlong visit to Europe's knitwear and style centers.

Mr. Neuman's first stop will be Milan, Italy, which he describes as "the style cradle of the modern knitwear industry.' It will be his tenth trip there.

While in Milan, Mr. Neuman will visit with knitter friends and discuss new styling for 1961 yarns and color trends. In Rome, he plans to visit haberdashers Baroni, Ibez and Cucci, all world-famous for showing the tops in Italian high fashion.

The new fashion center of Greece and the islands of Greece are important stops on Mr. Neu-man's itinerary. "I hope to find some very interesting new fashions, and fresh trends, especially at Mykonos and Rhodes, where there is a flourishing native knit-

ting art to be found among the little boutiques," Mr. Neuman. who has styled the Robert Bruce line himself for the past 25 vears, said.

For the past seven years Robert Bruce, Inc. has used the name of Paul and Dagny Mage on its line of jacquard ski sweaters and a visit to these famed Scandinavian designers in Copenhagen is also on Mr. Neuman's itinerary.

Other stops on his trip include Istanbul, Turkey and Vienna. Austria, and Israel. Paris and London will be the last stops before returning to the United States on June 15.

David Rubin, Thurman. Leaves on European Trip

PHILADELPHIA, Pa.-David B. Rubin of Thurman Manufacturing Co., men's sweater manufacturer, and stylist for the firm's Bob Scot line, left April 22 for a four-week stay in Europe.

Mr. Rubin will visit knitwear and style centers in England. France, Switzerland, Italy, Aus-

(Continued on Next Page)

tickley...the gulls who forgot how to fish

Scissors and

Porcelain

Laundry



. . . Seems that a salmon cannery on the West Coast for a period of years disposed of the heads and tails of salmon in open areas — and gulls had found this an easy source of food.

Recently, the cannery went on strike and the gulls had no food literally starving to death because they forgot how to fish for themselves.

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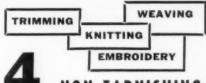
Novel approaches are taken in two-tone cardigan styling in two European models. Collar trim, at left picks up the main color, while shoulder bars, collar and placket are in a darker hue. A light ribbed front is the sole departure from the dark tone on the cardigan, at right.

tria and Denmark. He expects to be in Rome for the knitwear show there early in May. He will return to this country May

He said what he finds on his trip may influence Thurman's holiday line and planning for 1961.

WholesaleVolumeShows Shift Toward Suburbs

PHILADELPHIA, Pa. — Wholesale volume in Philadelphia has dropped since 1948, when wholesalers in this city accounted for 91.7 percent of (Continued on Page 79)



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Swimwear



Janet Leigh, the girl with the "perfect figure," and Mitchell Heinemann of Jantzen.

Jantzen Inc. Awards Prize To Janet Leigh

PORTLAND, Ore.—Actress Janet Leigh has been presented with the Golden Figure award, as the girl with "the most perfect figure in the world," following her selection by the international designing staff of Jantzen Inc. The award was presented at the pool of the Beverly Hills Hotel

by Mitchell Heinemann, executive vice-president of Jantzen, as part of the sportswear firm's Fiftieth Anniversary celebration. For the occasion, Miss Leigh was attired in a specially created swim suit of 24-carat gold-coated thread, valued in excess of \$1,000.

In presenting the golden trophy, Mr. Heinemann pointed

(Continued on Next Page)

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out that the recipient has a type of figure which is technically described as "slender voluptuousness"—the current international ideal. Her measurements are recorded as 36-22-36, applied to a height of 5 feet, 5½ inches. Mr. Heinemann added that Miss Leigh's figure was selected not only for the happy things it does to a bathing suit, but for her ability to look well in all types of clothing.

Pointing out that Jantzen pioneered modern swimwear a halfcentury ago, Heinemann observed that women's figures have changed considerably during that period. Women are now two nches taller, slimmer and bettergroomed. They have longer waists, more emphasis on the bust and less emphasis on the hips than in 1910 when Jantzen made its first bathing suits.

Trade Education

Bergman Receives School Award

PHILADELPHIA, Pa. -Ingram Bergman, head of Bergman Knitting Mills, has been named the 1960 recipient of the

coveted "Pioneers of Industry Award" of the Murrell Dobbins Vocational-Technical School.

The award, established in 1943, is presented annually to the person who has by his own outstanding effort and achievement risen to a place of prominence in his particular field. The large bronze plaque on a walnut base is made entirely by students in the various trades at the school.

Mr. Bergman will be honored at a convocation in the auditorium of Dobbins Vocational-Technical School, 22nd and Lehigh Ave., here, at 9:15 a.m. on Thursday, May 12. After receiving the award, he will address the assemblage of more than 2,200 students and guests.

A past president of both the National Knitted Outerwear Manufacturers Association and of the Pennsylvania District and currently vice president of the National Association, Mr. Bergman has spent his entire career in the knitted outerwear industry. He joined Bergman Knitting Mills, one of the oldest knitting mills in continuous operation in this city, in 1919 after attend-

(Continued on Page 79)

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Hosiery

Sees Creslan Important In Men's Half-Hose

MIAMI BEACH, Fla .-American Cyanamid Company's Creslan acrylic fiber will become an important factor in the men's hosiery field during 1960, mem-bers of the National Association of Hosiery Manufacturers were told here.

Addressing the association's annual convention in the Americana Hotel, Samuel G. Pitney, who directs merchandising of Creslan in sleepwear, underwear and footwear, reported that the new fiber will be featured this fall in the lines of leading brand-name men's hosiery manufacturers and in selected lines of women's and children's socks.

Creslan will appear in a variety of hosiery weights and constructions, Mr. Pitney said. The fiber's introduction, he noted, was in one-size socks produced by the Esquire Sock Division of Kayser-Roth Corp.

Deploring the increased emphasis on price competition in the hosiery industry, Mr. Pitney asserted that Creslan will revive the industry's interest in the factor of quality, through an exclusive quality control program developed by Cyanamid. Under this plan, he explained, Cyanamid sells its product as Cyanamid acrylic fiber and authorizes use of the Creslan trademark only on hosiery which meets clearly defined performance standards.

Under the plan, he continued,

only in approved products, and the manufacturer benefits from the plus factor of recognized performance requirements.

Mr. Pitney outlined advertising and promotion campaigns now in progress for Creslan which will benefit the hosiery industry.

The softer hand and greater dyeability of Creslan enable the Cyanamid fiber to offer important advantages over the earlier acrylic fibers, Mr. Pitney said. He cited the balance of essential fiber properties achieved in Creslan, noting that the new fiber combines "the vitality, luxury and dveability of the natural fibers with the wear, economy and ease of care which can be built into the synthetics.

Demand For Men's Wool Hosiery On Rise In '59

Demand for wool hosiery appears to be in a renaissance, according to a report on the U. S. wool hosiery market re-leased today by The Wool Bureau's Department of Economics and Statistics. The U.S. wool hosiery market is almost exclusively a male market, the report points out.

Out of a total 1959 production of nearly 45 million dozen pairs of men's hosiery, including half-hose, slack socks and athletic socks, 11 percent, or 5.1 million dozen pairs, were wool and wool mixtures. This total is close to the 1951 figure of 5.2 million dozen pairs, and 27 percent above the low of 4.1 million dozen pairs in 1954.

Creslan reaches the consumer (Continued on Next Page) BUTTONS A complete selection of sew-thru and shank buttons in plain and textured polyesters. Also Plastics, acrylics, metals and pearls. Perfect color matching. One day service. Call or write for samples. New York Washable Button Corp. 1170 BROADWAY . NEW YORK 1, N LExington 2-6081

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The report suggests that further gains in wool consumption in hosiery are in prospect when 1959 figures become available, since the price of wool has been favoring the recovery of wool in knit goods generally. In 1958, 8.9 million pounds of wool, clean weight, were consumed in the production of men's and boys' wool hosiery compared with 6.9 million in 1954 and 9.3 million in 1951. Wool's share of all fibers consumed in this category was 11.4 percent in 1958, higher than in any year as far back as 1951.

Factoring

James Talcott Reports Net Income Above 1959

James Talcott, Inc. on April 20 reported that consolidated net income in the first quarter of 1960 amounted to \$990,275, equal to 93 cents per share on 961,761 shares outstanding at March 31, 1960. Provision for federal taxes on income amounted to \$1,127,000.

In the final period of 1959, net income was \$825,186, or 75 cents per share on 961,184 outstanding common shares. Provision for federal taxes in that quarter amounted to \$986,000.

In the first quarter of 1959, net income totaled \$679,814, equal to 67 cents per share on 940,437 common shares then outstanding. Provision for federal taxes amounted to \$938,-000

James Talcott, chairman, and Herbert R. Silverman, president, reported that the company's volume of business continued to increase, and was approximately 24 percent above that of the first quarter last vear.

Boudinot P. Atterbury has been elected corporate secretary of James Talcott, Inc., accordinp to announcement by James Talcott, chairman, and Herbert R. Silverman, president.

Mr. Atterbury, assistant vice president in charge of the firm's legal department, succeeds Hooker Talcott, who remains as vice chairman. He joined Talcott in 1956 and organized the company's legal department. He was elected assistant secretary in 1957 and an assistant vice president in 1959.

BergmanReceivesAward For Industry Leadership

(Continued from Page 77) ing the Philadelphia Textile School, now the Philadelphia Textile Institute. He was secretary of the firm from 1920 until he became president in 1945 upon the death of his father, the late Adolph Bergman.

Long a leader in industry affairs, Mr. Bergman is presently a trustee of the Philadelphia Textile Institute Foundation and of the industry Knit Goods Retirement Fund. He has been chairman since its inception of the Joint Adjustment Board of the industry here.

See Shift In Wholesale Volume Toward Suburbs

(Continued from Page 75) the total volume of the eight-county metropolitan area. In 1954 their share slipped to 85 percent; 1958 it was down to 73.4 percent.

Between 1948 and 1954, according to the Chamber of Commerce of Greater Philadelphia, wholesalers' volume increased sharply in each of the seven suburban counties. Montgomery County gained 647 percent; and Chester County, 248 percent. Philadelphia's gain was only 19 percent.

One of the reasons for the shift is the trend towards the suburbs, plus the network of highways and expressways in the suburban areas against traffic congestion in downtown Philadelphia.

AATT Meeting on May 4 To Hear Talks On Aston

Aston 123, a durable antistatic finish, will be the subject of the May 4 meeting of the American Association For Textile Technology, Inc. in the Della Robbia Room at the Hotel Vandarbilt.

Wlodek Ginilewicz, group leader, textile chemical research, Onyx Oil & Chemical Company will discuss "The Chemistry of Aston 123" and Morton Schlesinger, manager, customer services, Onyx Oil & Chemical Company, will also discuss "The Performance of Aston 123."

Lee Bidgood, DuPont's textile fibers department, will be moderator.



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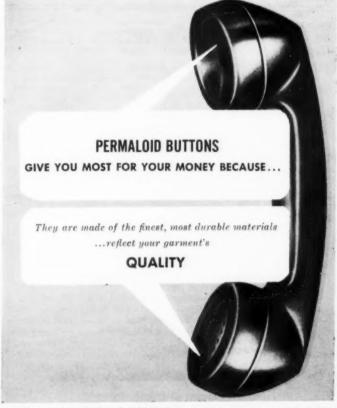
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4-fully automatic flat Jacquard machines, 12 cut, 471/2" and 51" wide.

7-automatic V-bed machines, 12 cut.

3-automatic V-bed machines, 10 cut.

BOX 91

WE BUY-WE SELL **EVERYTHING**

from a Needle . . . to a COMPLETE plant

Including real estate — relocation surveys — etc.

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MAIN OFFICE 508 W. 5 St., Charlotte, N. C. Phone: ED 4-5546

NEW YORK OFFICE 350 Fifth Ave., N.Y.C. Phone: PE 6-0451

BUYS

2—TJI's 30", 12 feed, 6 & 14¼ cut, 4 col. str. 4—TAI's 30", 12 feed, 6, 13, 13½, 16½ cut, 4 col. str. 1—Brinton PR 19, 28", 9½ cut, 18 feed, wheels 1—Scott & Williams Interlock, 30", 32 feed, 18 cut

2—Philip Interlock, 30", 32 feed, 11 & 14 cut 1—Phila. Jacq. LH 30", 8 cut, 6 feed, 3 col. str. 1—Phila. Jacq. TJ, 28", 7 cut, 6 feed, 4 col. str. 1—Phila. Jacq. TJ, 16", 7 cut, 4 feed

1—Phila. Jacq. 13, 16-, 7 cut, 4 reeu
1—0.6., 30", 32 feed, 8 cut, multi-feed jersey and 1 x 1 rib
2—Phila. Jacq. LA 30", 12 feed, 7 & 10 cut, 3 cel. str.
1—Phila. Jacq. LA, 15", 7 cut, 4 feed, 2 cel. str.
1—Phila. Jacq. TJ, 30", 10 cut, 12 feed

1—Phila. Jacq. 1J, 30', 10' cut, 12 feed
2—Leighton transfers, 6½ & 10 cut, 32" & 34", 9 feed, 4 col. str.
1—Leighton racker, 10½", 7 cut, 2 feed, 3 color striper
1—0.G.-0TA, 30", 12 feed, 7 cut
2—Phila. Jacq. TA, 32", 24 feed, 12½ & 13 cut, like new
8—Phila. Jacq. TA, 11" to 20", 4 feed, 6 to 12 cut
1—Phila. Jacq. MLW, 28", 11 cut, 24 feed, automats & wheels
6—Wildman PB2, 15", 17", 18", 20", 21", 28", 8 and 10 cut
1—Stafford & Holt, 30", 4 & 7 cut, 8 feed, model PA
1—Queens model B, 60", 10 & 12 Cut, high & low needles & jacks
2—Universal Flat. 62" 10 & 12 Supramats

2-Universal Flat, 62", 10 & 12 Supramats

Lamb, Dbl. head border mach., 100 Rt.

-Ainslie Brush Mach., 46"

2-Universal 6 spindle backwinders, L drive

Serve-stop border mach., 10 cut, 2 color borders

1-Trim-Master trimming machine

1-Union Special cup seamers & tables

Joseph Kopelowitz , Inc.

APPRAISALS - LIQUIDATIONS

600 BWAY, B'KLYN 6, N. Y.

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FOR SALE: SUPREME MACHINES

2 R.O.F.'s, 24", 32 feed 18 or 20 cut

2 S.A.P.P. 24", 16 feed stripers 14-18-20 cut;

all machines in good running condition. Priced reasonably.

BOX 349. REALSERVICE ADVTG., 110 W. 34 St., N.Y.C.

WANTED - BRINTON P. R. 19 MACHINES

24" to 30", 10 to 12 cut, 24 feed. In good condition. Good prices paid for good machines. State full details.

Box 348, Realservice Advtg., 110 W. 34 Street, N. Y. C.

WANTED

18", TA machine, any cut. Must have four finger striper.

BERGMAN KNITTING MILLS

22nd & Lehigh Ave., Phila, 32, Pa. BAldwin 3-1900

FOR SALE

5 Dubied fashioned collar machines, top working condition, 13 gauge. Will also widen automatically. Also fine gauge machine:

1 Dubied RAL 55", 14 gauge 1 Dubied RAC 55", 14 gauge

1 Dubied BAZ 55", 14 gauge 1 Dubied ABG 40", 12 cut, 8 locks Reasonably priced

BOX 130M

FOR SALE

1-Scott & Williams MFRC, 30" interlock machine, 181/2 cut, 30 feed, fully equipped

1-Scott & Williams MFRC, 30" interlock machine, 20 cut, 30 feed, fully equipped

May be seen in operation.

Both machines in practically new condition.

BOX 120B

WANTED

2-9 cut Jacquard LH 30"

1-9 cut Jacquard LA 30", 12 feed

We are interested in the knitting machines separately or as a complete plant including sewing department.

BOX 184

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MACHINERY FOR SALE

Hand Links and Links machines. Located in Puerto Rico. In first class condition—Grossers. Many equipped with special combs. Have been in recent use on bulkies using every other needle.

BOX 430L

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1-Rimaldi 60/1/L

VARGEO, INC.

708-23 Street, Union City, N. J. UNion 5-2600

WANTED TO BUY

7 and 9 cut flat Links & Links machines, single and double jack.

BOX 180A

WANTED

21/2 gauge shaker hand machines. Must have double lock on one side. 32-44 inches.

KNITTING MACHINE RENTS

1401 South Main Street

Los Angeles 15, Calif.

ATTENTION: KNITTING MILLS

If you have SURPLUS 7 GAUGE (DUBIED) FLAT KNITTING MACHINES, serial 106551 and up, we are open to buy.

EMKAY KNITTING MILL 1922 W. Fond du Lac, Milwaukee 5, Wis.

FR 4-3860

FOR SALE

Foster Model #12. 50 spindle winder.

Apply BOX 180K

FOR SALE

- 3-Model AL New York presses, 24 x 60, with air vacuum, fully automatic.
- 1-SEC drycleaning unit, model AC.
- 1-30 HP high pressure Orr-Sembower boiler.

CAMP & McINNES, INC. 512 N. Twelfth St., Reading, Pa.

FOR SALE

circular fine gauge Supreme and Scott & Williams machines 18, 181/2 and 19 cut.

TWining 4-8301 or BOX 180D

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WE BUY AND SELL

Worsted: — Synthetics — Blends

AT BEST PRICES!

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WANTED COTTON, WOOL, WORSTED & SYNTHETIC YARNS **HERMAN KASLOFF**

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1700 lbs-214 run, 75% wool, 25% Orlon acrylic, medium oxford, cones

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1500 lbs.-2 run, 100% wool, old gold, cones

1700 lbs.—2½ run, garnetted Orlon acrylic, pink, cones 800 lbs.—5½ run, Orlon acrylic, white, cones

800 lbs.—3½ run, Orlon acrylic, white, cones
500 lbs.—2/20, worsted brown, cones
750 lbs.—3 run, 75% wool, 25% Orlon acrylic, lovat green, cones
1000 lbs.—3 run, 75% wool, 25% Orlon acrylic, lovat brown, cones
800 lbs.—2/20, 100% alpaca, natural and colors, skeins
1200 lbs.—2/30, Orlon acrylic, medium oxford, cones
2100 lbs.—18/1, Orlon acrylic, natural, cones

500 lbs.—1/15, Orlan acrylic, hlack, cones 450 lbs.—1/32, Orlan acrylic, natural, cones 800 lbs.—1/34, Orlan acrylic, aatural, cones

3600 lbs.-3 run, 100% wool, beige heather, cones

SAM SASKEN

1441 Broadway, New York 18, N. Y.

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YARNS FOR SALE - At Reasonable Prices

3500 lbs.—1800 yds., chenille, natural, 60% linen/40% cotton cones 1650 lbs.—3200 yds., loop yarns, white, peacock, ginger, black, cones 2800 lbs.—15/1, spun Orlon acrylic, regular, cones 1750 lbs.—9/1, 15/1, 1/32, 50/2, 60/2, black, Orlon acrylic and Acrilan acrylic, cones

900 lbs.—1/20, black, 20% wool/80% Orlon acrylic, cones 400 lbs.—2/27, baby blue, 100% Darvan nytril, cones

1500 lbs.—1/24, 1/26, 1/30, 1/32, lt. and dk. oxford heather, hi bulk Orlan acrylic, cones 2200 lbs.—3 run, 3.5 run, 5 run, lamb's wool and Orlan acrylic, cones

3000 lbs.—134 and 25%, light and dark oxford, camel, red, dk. brown, 100% wool shetland, cones

1000 lbs.—3.6 run, white, garnetted Orlon acrylic, cones

700 lbs.—1% run, loden green, gold, wool and nylon, cones

1500 lbs.—1% and 2%, camel, 75% wool, 22% mohair and 3% nylon

BRITE YARNS CORP.

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SURPLUS YARNS FOR SALE

By Manufacturer

1240 lbs.-2/12, 75% worsted, 25% kid mohair, charcoal

850 lbs.-2/12, 75% worsted, 25% kid mohair, lt. oxford

800 lbs.-3 run, 50% lamb's wool, 30% mohair, 20% Orlon acrylic, charcoal

700 lbs.-3 run, 50% lamb's wool, 30% mohair, 20% Orlan acrylic, alive

1500 lbs.—3.2 run, Orlan acrylic, jackey red

1700 lbs.-2% run, 50% lamb's wool, 30% mohair, 20% Orlon acrylic, ivy

1300 lbs.—2% run, 50% lamb's wool, 30% mohair, 20% Orlon acrylic, charcoal

700 lbs.-2% run, 50% lamb's wool, 30% mohair, 20% Orlon acrylic, charcoal brown

CHickering 4-1780 or BOX 180F

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WILSON YARN CORP.

141 Wilson Ave., Brooklyn 37, N.Y. GL 6-9686
WE PAY
TOP PRICES
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SURPLUS YARN
YARNS

H. BERMAN
We carry in stock
all colors and
all sizes for the
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WANTED FOR (ASH Worsted - Zephyr - Synthetics - Cotton

We always carry a large stock of yarns, dyed on cones for immediate use.

CALL EV 8-8277 BEN BALIF

686 Flushing Ave. Brooklyn 6, N. Y. CENTURY YARN CO.

CONTRACTORS WANTED, CONTRACT WORK WANTED

CONTRACT WORK WANTED

Knitting through finishing on 9 gauge LH circular machines. Ladies' or children's bulkies. Samples upon request.

EVergreen 6-5905

DON'T REACH FOR AN ASPIRIN if your sewing department cannot keep up with your knitting department. Just reach for your phone and call:

HYacinth 7-3720-21

and we will take care of your sewing problems from dyer to the box.

or write BOX 187

CONTRACTORS WANTED

Large jobber looking for contractors with fine gauge interlock machines. Also bulky 3 and 4 gauge machines for work on Orlon acrylic and Ban-Lon slipons and cardigans, to make complete garments or knitting only.

BOX 188

QUALITY CONTRACT WORK AVAILABLE

Top flight women's branded mill has open production available in bulkies—circular, Dubied flat bed and fine gauge full fashioned. This production is available on a regular basis only. This represents an excellent opportunity for men's or children's wear houses to obtain one of the finest quality productive sources in the knitwear market. A completely integrated operation with our own dye house enables us to handle synthetic and natural yarns.

BOX 170

KNITTING WANTED

on Universal and Tricoma 4 cut machines.

Large production. Reasonable.

BOX 173

CONTRACT WORK WANTED

on new 4 cut Universals. Knitting and finishing or knitting only.

BOX 172

CONTRACT WORK WANTED

on new Jacquard circular Links machines. Medium gauge. Many years of experience in making all kinds of sweaters.

BOX 180C

CONTRACTOR AVAILABLE

for additional work on 8 cut LH machines. Knitting or knitting and finishing.

BOX 180B

CONTRACT WORK WANTED

on Philip Ban-Lon Universal machine, bulkies; Also jersey.

BOX 180T

CONTRACT WORK WANTED

Fancy stitches with stripers—5 and 6 gauge, jersey and half cardigan. Specializing in garnetted yarn and brushed acrilan. Also fine gauge for Ban-Lon napping and shearing.

BOX 180R

MEN'S & BOYS' SWEATER CONTRACTOR SEEKS ADDITIONAL WORK

Fine gauge Ban-Lon interlock, with French looping, also Jacquard trim. RICHMOND KNITTING MILLS, INC. EVergreen 5-1270

CONTRACTOR SEEKS WORK

on 17 cut Philip and 4 cut Supreme machines for knitting or knitting and finishing.

BOX 180Q

CONTRACT WORK WANTED

on 7 gauge flat Links machines. Single and double jack.

BOX 180P

CONTRACT WORK WANTED

A full fashioned knitting mill has open production on lace work in ladies' and men's in fur blend and Ban-Lon.

BOX 180L

HELP WANTED

WANTED

EXPERIENCED SHIPPING CLERK IN KNITTED FABRIC MILL ULster 2-1416

YOUNG MAN WANTED

Experienced handling yarn and records of knitting department. Good position for right party. **BOX 182**

KNITTER WANTED

Experienced on Ordnance Gauge, for night shift. Steady work, good pay.

BOX 185

KNITTER-MECHANIC WANTED

Experienced on Leighton rackers, Stafford & Holt, and Supreme. Good opportunity for the right man.

BOX 180W

KNITTING MILL PRODUCTION MANAGER WANTED

We require a man to supervise knitting on Universal flat machines. Must know all details of bulky sweater manufacturing. We do not sew.

BOX 180E or phone LAckgwanna 4-1930

POSITIONS WANTED

ATTRACTIVE YOUNG LADY SEEKS POSITION

College graduate, now teaching, seeks temporary job (June-Sept.) as receptionist, office or showroom assistant. Conscientious, dependable.

BOX 180V

ASST. KNITTER-MECHANIC AVAILABLE

Experienced man seeks position as assistant knitter mechanic in Philadelphia area. Qualified to work on LH 6, TJI, TJ, TA, TAI.

Have had over 25 years experience on old type flot machines, flat Links & Links; held position as knitter mechanic. Can furnish finest references.

BOX 186

SWEATER MILL EXECUTIVE

Responsible administrator with broad management experience in full fashioned and cut-and-sewn high quality merchandise, natural and synthetic yarns. long experience in own business, up to 120 employees. Have made mill layouts all-around knowledge of production and technical problems, employee training, satting rates, supervising contractors, buying yorn and machinery.

BOX 180J

EXPERT AVAILABLE

Take full charge dyeing and processing problems and/or shipping. Now employed by large knitting mill. Wishes to change. BOX 180G

PRODUCTION MAN AVAILABLE

Knitting room supervisor. Yarn control. 20 years' experience, ladies' sweaters, knitted suits, from yarn to box.

BOX 180

FORELADY AVAILABLE

for Brooklyn, N. Y. area, on ladies' sweaters. Complete control of sewing department. Classics, novelties, bulkies.

GLenmore 6-1312

CLOSEOUTS WANTED

COTTON KNIT FABRICS WANTED

We pay cash for closeouts. Stripes, fancies, solids, underwear materials, etc. Full pieces and remnants. Also interested in woven fabrics.

HUB OVERSEAS CO., INC.

394 Broadway, New York 13, New York WOrth 6-5544

CLOSEOUTS WANTED SURPLUS LASTEX & ELASTIC FABRICS

Full pieces—Shorts Any quantity—Fair prices

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CASH PAID for surplus stocks of Sweaters and Bathing Suits.

BERNETTE TEXTILE COMPANY

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BRyont 9-5526-7

KNIT CLOSE-OUTS WANTED

Top prices for solids, stripes and fancies.

S. LEVINE AND SONS

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CLOSE-OUTS WANTED ANY QUANTITY—REGULARS & IRREGULARS Ladies'—Men's—Children's

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Basement loft, approximately 5,000 sq. ft.

Circle 5-9425 or BOX 189

POSITIONS WANTED

AVAILABLE

Production control manager. Sweater manufacturing.

BOX 180X

MACHINERY WANTED, FOR SALE

FOR SALE

- 2 Dubied ABG, 8 gauge, 51" needle bed, double lock, 156000 series
- 3 Wildman 26" interlock, 24 cut, 24 feeds
- 1 Scott & Williams 24", 24 cut, 20 feeds, Interlock
- 6 20" Scott & Williams interlock, 24 cut, 12 feed
- 2 26" Scott & Williams interlock, 12 cut, 20 feed, extra 24 cut cylinders
- 1 18" Wildman PB2, 10 cut
- 1 Brinton 26" Wrap and striping with 3 position pattern wheels, 14 cut, 36 feeds, motor drive

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Knitter Mechanic or Knitter Wanted, with experience in setting up machines, make normal adjustments and understand knitgoods. Good salary and future for right man. BOX 183.

Looping Wanted. 7 point Sotco and 15 P machines. Quality workmanship guaranteed. Sanders Looping, Inc., 270 Irving Avenue, Brooklyn, N. Y. HYacinth 7-7924.

LEASE — SALE. LOFTS - BUILD-INGS. ALL SIZES—ALL LOCA-TIONS. MILTON WOLF & CO.,** 744 BROAD STREET, NEWARK, N. J. MI 3-8844.

Contract Work Wanted on Fine Gauge Interlock — Orlon, Ban-Lon Wool Sweaters—Ladies', Men's. Also Napping and Shearing. BOX 170G. Contract work wanted. Knitted trimmings on 7 and 9 cut flat Links. RAvenswood 9-8076.

Seek additional work. Cable stitch on 7 cut Links and Links flat machines and 7 cut circular machines. BOX 180H.

CONTRACT WORK WANTED. FINISHING ONLY. LADIES', MEN'S, JUVENILES', SWEAT-ERS. FINE GAUGE OR BULK-IES. BOX 180N.

KNITTER WANTED. Experienced TA and LH machines. Steady work. Nasshorn, 691 Broadway, N.Y.C. GRamercy 3-4705.

Contract Work Wanted. Finishing only. Orlon, bulkies, or Ban-Lon. BOX 181.

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NEW FORMULA CLEANING FLUID FOR KNIT GOODS Cleans Weel, Cotton, Rayen and Nylon Special fluid for Orton and Ban-Len Special Price for One Gallon Trial Order

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— Low prices —

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SEEK INVESTORS

for establishment of ladies', men's and children's cut and sewn and full fashioned sweater plant. 28 years experience production management.

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A "MARKET PLACE" AD

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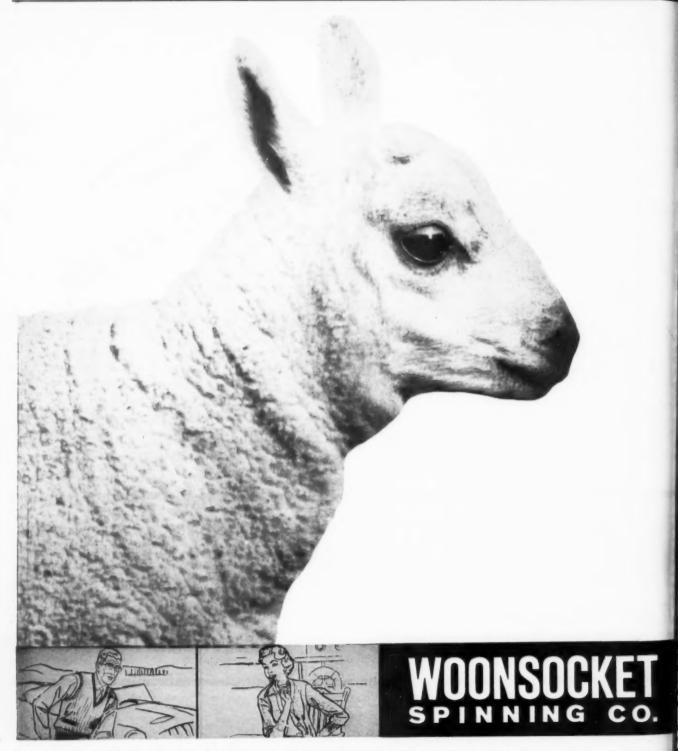
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When you buy from Woonsocket you are buying the best! Whether it be cashmere, camels hair, angora, for blends, mohair, lambs wool or other specialty yarn, Woonsocket begins with the world's finest fibers. Woonsocket properties them in its own mills, under highly scientific control until the yarn is delivered promptly to your factory. Thu you are assured of an adaptable resource, able to meet the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and women's fashion when the constantly changing demands of men's and when

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